

# Flowering Plants (Monocots) of Montana

## Montana Field Guide

### Note

These PDF versions of the Montana Field Guide are intended to assist in offline identification and field work. They are not intended to replace the live Field Guide, as that version contains more information and is updated daily.

This PDF was generated 12/10/2012

For the most up to date information of Montana species, please visit <http://FieldGuide.mt.gov>

# Sweetflag - *Acorus americanus*

[http://FieldGuide.mt.gov/detail\\_PMACO01010.aspx](http://FieldGuide.mt.gov/detail_PMACO01010.aspx)

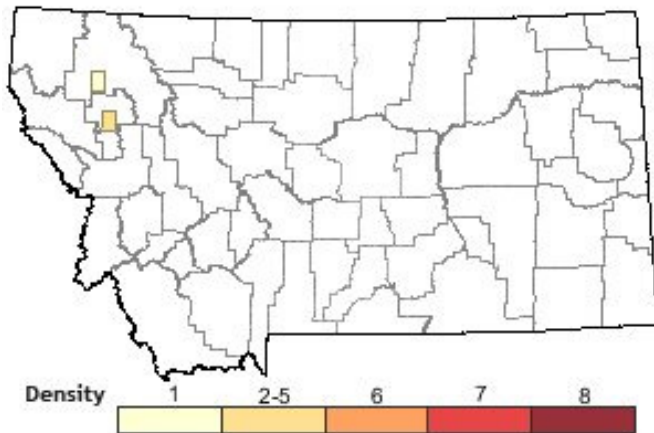


## Species of Concern

**Global Rank:** G5  
**State Rank:** SH

## AGENCY STATUS

**USFWS:**  
**USFS:**  
**BLM:**



**Number of Observations:** 6

## General Description

Scapose rhizomatous perennial with a pleasant odor. Leaves basal, folded, flattened, linear, erect, sheathing below, 50–100 cm long. Inflorescence 20–60 cm; flowers densely clustered on a narrowly cylindrical spike (spadix), 4–7 cm long, subtended by an erect, linear, leaf-like spathe, 15–70 cm long, that appears to be a continuation of the stem. Flowers perfect, tepals 6, separate, brown, ca. 1 mm long; stamens 6; ovary superior, 1- to 3-celled. Fruit a leathery, oblong, glabrous, several-seeded berry 3–5 mm long embedded in the spadix (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## Habitat

Sweetflag occurs in the shallow water of ponds and marshes at lower elevations. Historical collections of this species in Montana are from marshes along lakes and streams, with cattails (*Typha* sp.) and *Scirpus acutus*. Rangewide, it occurs in shallow waters and wetlands, including ponds, marshes, swamps, and quiet riverbanks or floodplains.

# Jointed Goatgrass - *Aegilops cylindrica*

[http://FieldGuide.mt.gov/detail\\_PMPOA01020.aspx](http://FieldGuide.mt.gov/detail_PMPOA01020.aspx)



**Exotic Species (not native to Montana)**

**Global Rank:** GNR

**State Rank:** SNA

**AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

## General Description

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Cool season, annual bunchgrass. Stems 25–50 cm. Leaves: blades 2–5 mm wide, flat and lax; sheaths with overlapping margins; ligule membranous. Inflorescence a 2-sided but cylindrical spike 5–15 cm long. Spikelets 8–14 mm long, one per node, partially to completely embedded within the rachis, usually comprising several florets; glumes broad and asymmetrical, usually awned by extension of the eccentric midrib, especially on the distal-most spikelets. Lemmas similar to glumes, awnless to awned especially on the distal-most spikelets; palea well developed. Disarticulation below the glumes; unit of dispersal the spikelet and internode of the adjacent inflorescence rachis (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## Habitat

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Disturbed settings including in and around crop fields where wheat is commonly cultivated (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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# Crested Wheatgrass - *Agropyron cristatum*

[http://FieldGuide.mt.gov/detail\\_PMPOA030M0.aspx](http://FieldGuide.mt.gov/detail_PMPOA030M0.aspx)



**Exotic Species (not native to Montana)**

**Global Rank:** G5

**State Rank:** SNA

**AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

## General Description

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Stems mostly 30–80 cm. Leaves: blades 2–9 mm wide, often open but becoming inrolled upon drying, leaf sheaths and collar hairless. Inflorescence 2.5–7(–11) cm long, rachis continuous, the internodes 0.5–2.5 (–5) mm long. Spikelets 6–11(–16) mm long, widely divergent from the main rachis; florets mostly 2 to 8 per spikelet, glumes shorter than florets, narrow and tapering to an awn-tip. Lemmas hairless, awn-tipped or with awns to 5 mm long. (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## Habitat

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Open dry sites at middle to low elevations. (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Colonial Bentgrass - *Agrostis capillaris*

[http://FieldGuide.mt.gov/detail\\_PMPOA04090.aspx](http://FieldGuide.mt.gov/detail_PMPOA04090.aspx)



**Exotic Species (not native to Montana)**

**Global Rank:** GNR

**State Rank:** SNA

**AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

### General Description

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Rhizomatous perennial. Stems decumbent at base, 30–50 cm. Leaves: blades 1.5–4 mm wide, ligules 0.5–2 mm long. Inflorescence a diffuse panicle 5–15 cm long. Spikelets 2–2.1 mm long. Lemmas 1.8–2 mm long, awnless; palea about one-half as long as the lemma (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### Habitat

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Disturbance-prone settings from mostly northwestern MT (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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# Spike Bentgrass - *Agrostis exarata*

[http://FieldGuide.mt.gov/detail\\_PMPOA040D0.aspx](http://FieldGuide.mt.gov/detail_PMPOA040D0.aspx)



**Global Rank:** G5  
**State Rank:** S4S5

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

## General Description

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Perennial bunchgrass with short rhizomes. Stems 20–100 cm. Leaves: blades mostly 2–8 mm broad, ligules 0.5–2 mm long. Inflorescence a contracted panicle 5–20 cm long. Spikelets 2–3 mm long. Lemmas 1.2–2 mm long, awnless or with a short delicate awn; palea minute to absent (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## Habitat

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Moist sites including stream sides (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Redtop - *Agrostis gigantea*

[http://FieldGuide.mt.gov/detail\\_PMPOA040H0.aspx](http://FieldGuide.mt.gov/detail_PMPOA040H0.aspx)



**Exotic Species (not native to Montana)**

**Global Rank:** G4G5

**State Rank:** SNA

**AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

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## Mountain Bentgrass - *Agrostis humilis*

[http://FieldGuide.mt.gov/detail\\_PMPOA040P0.aspx](http://FieldGuide.mt.gov/detail_PMPOA040P0.aspx)



**Global Rank:** G4  
**State Rank:** S4

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

### General Description

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Perennial bunchgrass occasionally with short rhizomes. Stems 7–15(–50) cm. Leaves: blades mostly basal, 0.5–1 mm wide, ligules 0.5–4 mm long. Inflorescence a contracted panicle 1–3(–5) cm long. Spikelets 1.7–2 mm long. Lemmas 1.7–1.9 mm long, awnless to short-awned; palea about two-thirds as long as lemma (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### Habitat

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Alpine and subalpine meadows, or dry mountain meadows at lower elevations (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Idaho Bentgrass - *Agrostis idahoensis*

[http://FieldGuide.mt.gov/detail\\_PMPOA041K0.aspx](http://FieldGuide.mt.gov/detail_PMPOA041K0.aspx)



**Status Under Review**

**Global Rank:** G5

**State Rank:** SU

**AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

### General Description

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Perennial bunchgrass. Stems 20–30 cm. Leaves: blades 1–2 mm wide, ligules 1–4 mm long. Inflorescence an open panicle 4–6 cm long. Spikelets 1.6–2 mm long. Lemmas 1.4–1.9 mm long, awnless; palea absent (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### Habitat

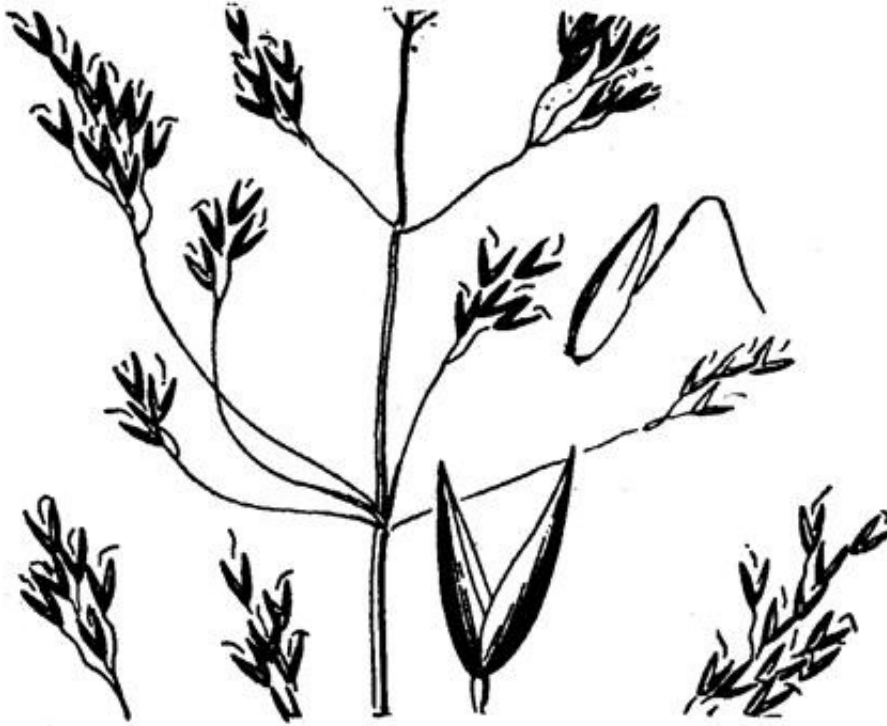
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Moist meadows and other grassy sites in open to closed montane understory and subalpine to alpine zones (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Northern Bentgrass - *Agrostis mertensii*

[http://FieldGuide.mt.gov/detail\\_PMPOA040T0.aspx](http://FieldGuide.mt.gov/detail_PMPOA040T0.aspx)



**Status Under Review**

**Global Rank:** G5  
**State Rank:** S3?

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

### General Description

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Northern Bentgrass is a tufted perennial which can be up to 4 dm tall. The flat leaves are 1-3 mm wide, and the membranous crest where the blade meets the stem (ligule) is 1-2 mm long. Foliage is glabrous or slightly roughened. 1-flowered spikelets are borne on the ends of erect or ascending branches in an open inflorescence. The pointed glumes are 2-3 mm long, and lemmas are about the same length as the glumes but with a bent awn, which is ca. 3 mm long. The palea is less than 0.5 mm long, and anthers are less than 0.7 mm long.

### Habitat

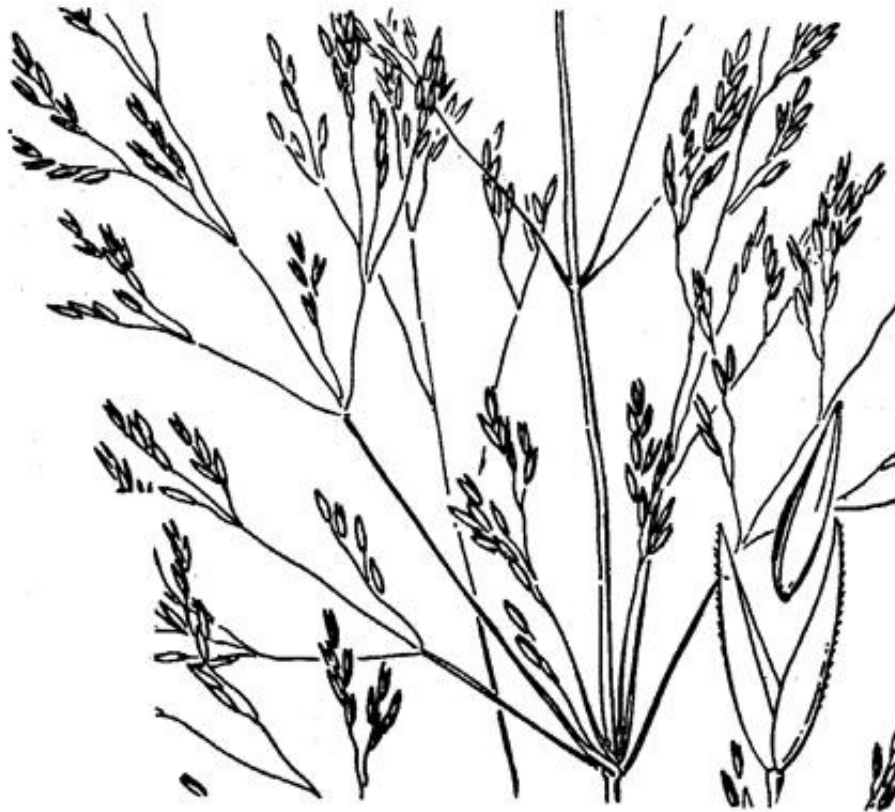
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Moist meadows above timberline.

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## Oregon Bentgrass - *Agrostis oregonensis*

[http://FieldGuide.mt.gov/detail\\_PMPOA040X0.aspx](http://FieldGuide.mt.gov/detail_PMPOA040X0.aspx)



**Status Under Review**

**Global Rank:** G5  
**State Rank:** SU

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

### General Description

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Perennial bunchgrass. Stems 30–50 cm. Leaves: blades mostly basal, 2–4 mm wide, ligules 1–6 mm long. Inflorescence an open panicle 6–12 cm long. Spikelets 2.5–3 mm long. Lemmas 2.5–3 mm long, awnless; palea absent to minute (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### Habitat

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Moist meadows at middle elevations (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Leafy Bentgrass - *Agrostis pallens*

[http://FieldGuide.mt.gov/detail\\_PMPOA041M0.aspx](http://FieldGuide.mt.gov/detail_PMPOA041M0.aspx)



**Status Under Review**

**Global Rank:** G4G5  
**State Rank:** SU

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

### General Description

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Perennial bunchgrass with long and slender rhizomes. Stems 60–80 cm. Leaves: blades 2–6 mm wide, ligules 1–6 mm long. Inflorescence a contracted to somewhat open panicle, 7–11 cm long. Spikelets 3–3.5 mm long. Lemmas 2.2–2.5 mm long, awnless or with an apiculate awn; palea lacking or minute (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### Habitat

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Meadows (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Rough Bentgrass - *Agrostis scabra*

[http://FieldGuide.mt.gov/detail\\_PMPOA04120.aspx](http://FieldGuide.mt.gov/detail_PMPOA04120.aspx)



**Global Rank:** G5  
**State Rank:** S4S5

### **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

### **General Description**

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Perennial bunchgrass. Stems 20–70 cm. Leaves: blades 1–2 mm wide, scabrous, ligules 1–5 mm long. Inflorescence an open diffuse panicle 1–3 dm long. Spikelets 2–2.2 mm long. Lemmas about 1.5–2 mm long, awnless or with an awn up to 4 mm long; palea minute or absent (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### **Habitat**

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Open moderately disturbed sites including roadsides at all elevations (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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# Creeping Bentgrass - *Agrostis stolonifera*

[http://FieldGuide.mt.gov/detail\\_PMPOA04140.aspx](http://FieldGuide.mt.gov/detail_PMPOA04140.aspx)



**Exotic Species (not native to Montana)**

**Global Rank:** G5

**State Rank:** SNA

**AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

## General Description

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Rhizomatous perennial or stoloniferous sod grass often forming dense mats or patches. Stems decumbent at base, 20–120 cm. Leaves: blades 2–6 mm wide, ligules 2–7 mm long. Inflorescence a mostly diffuse panicle 5–30 cm long, sometimes contracting after anthesis. Spikelets 2–2.5 mm long (up to 10 mm long if infected). Lemmas 2–2.2 mm long, awnless or rarely minutely awned from the back; palea up to two-thirds as long as lemma. [This description includes *Agrostis gigantea* as a synonym] (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX)

## Habitat

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Wet meadows, stream sides, roadsides, pastures, and lawns from low to middle elevations (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Thurber's Bentgrass - *Agrostis thurberiana*

[http://FieldGuide.mt.gov/detail\\_PMPOA04160.aspx](http://FieldGuide.mt.gov/detail_PMPOA04160.aspx)



**Status Under Review**

**Global Rank:** G5  
**State Rank:** SU

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

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## Variable Bentgrass - *Agrostis variabilis*

[http://FieldGuide.mt.gov/detail\\_PMPOA04180.aspx](http://FieldGuide.mt.gov/detail_PMPOA04180.aspx)



**Status Under Review**

**Global Rank:** G5  
**State Rank:** SU

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

### General Description

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Perennial bunchgrass. Stems 10–20 cm. Leaves: blades 1–2 mm wide, ligules 1–3 mm long. Inflorescence a contracted panicle 2–6 cm long. Spikelets 2–2.3 mm long. Lemmas 1.8–2.1 mm long, awnless; palea absent (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### Habitat

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Alpine and subalpine meadows (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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# Narrow-leaf Water-plantain - *Alisma gramineum*

[http://FieldGuide.mt.gov/detail\\_PMALI01010.aspx](http://FieldGuide.mt.gov/detail_PMALI01010.aspx)



**Status Under Review**

**Global Rank:** G5  
**State Rank:** SU

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

## General Description

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Scapes 2–25 cm. Leaf blades narrowly elliptic or linear when submersed, 3–30 cm long. Flowers: sepals 2–3 mm long; petals 2–4 mm long, quickly deciduous. Achenes 2–3 mm long; clusters 3–6 mm across (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## Habitat

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Marshes, margins of sloughs, slow-moving streams; plains, valleys (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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# Northern Water-plantain - *Alisma triviale*

[http://FieldGuide.mt.gov/detail\\_PMALI01050.aspx](http://FieldGuide.mt.gov/detail_PMALI01050.aspx)



**Global Rank:** G5  
**State Rank:** S4

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

## General Description

Scapes 6–50 cm. Leaf blades elliptic 4–20 cm long. Flowers: sepals 2–4 mm long; petals 1–3 mm long. Achenes ca. 2 mm long; clusters 4–7 mm across (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## Habitat

Marshes, margins of sloughs, slow-moving streams; plains, valleys (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## Tapertip Onion - *Allium acuminatum*

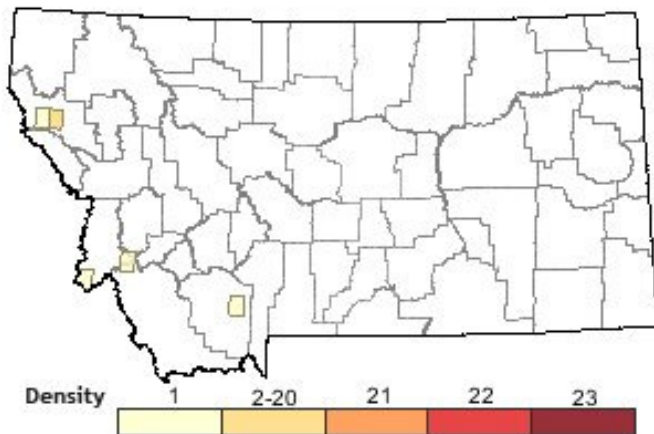
[http://FieldGuide.mt.gov/detail\\_PMLIL02020.aspx](http://FieldGuide.mt.gov/detail_PMLIL02020.aspx)



### Species of Concern

**Global Rank:** G5  
**State Rank:** S2S3

**AGENCY STATUS**  
**USFWS:**  
**USFS:** SENSITIVE  
**BLM:** SENSITIVE



**Number of Observations:** 24

### General Description

Tapertip Onion is a perennial herb, 1-3 dm high, arising from solitary or clustered, nearly globose bulbs with brown, honeycombed coats. 2-several long leaves, u-shaped in cross-section and 1-3 mm wide, arise from near the base of the stem. Several pink to rose-colored flowers are borne on stalks, 10-30 mm long, in a hemispherical inflorescence subtended by 2 papery, lance-shaped bracts. Each flower has 3 spreading, petal-like, outer tepals, which are 8-17 mm long, 3 shorter, sharp-pointed inner tepals, and 6 stamens, which are shorter than the tepals.

### Habitat

Dry, open forests and grasslands in the montane zone.

# Brandeggee's Onion - *Allium brandegeei*

[http://FieldGuide.mt.gov/detail\\_PMLIL020A0.aspx](http://FieldGuide.mt.gov/detail_PMLIL020A0.aspx)



**Status Under Review**

**Global Rank:** G4  
**State Rank:** SU

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

## General Description

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Bulbs ovoid, solitary or clustered; outer coat membranous with hexagonal reticulations. Scapes terete, 3–10 cm. Leaves 2, channeled, sometimes falcate, 1–3 mm wide, persistent. Umbel compact, hemispheric with 8 to 25 flowers; pedicels 5–15 mm long; bracts 2, ovate, acuminate. Flowers white to rose with green midveins; tepals 5–8 mm long; ovary nearly crestless; stamens included. Seed surface smooth (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## Habitat

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Shallow soil of cliffs and outcrops; montane (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Short-stem Onion - *Allium brevistylum*

[http://FieldGuide.mt.gov/detail\\_PMLIL020B0.aspx](http://FieldGuide.mt.gov/detail_PMLIL020B0.aspx)



**Global Rank:** G4  
**State Rank:** S4S5

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

### General Description

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Bulbs elongate-ovoid on a thick rhizome; outer coat dirty white, membranous with elongate cells, often wrapped in old gray, parallel fibers. Scapes flattened, 12–50 cm. Leaves 2–5, linear, 2–6 mm wide, persistent. Umbel narrow-hemispheric with 7–15 flowers; pedicels 5–20 mm long; bracts 2, ovate, acute to acuminate. Flowers magenta; tepals 6–12 mm long; ovary crestless; stigma 3-lobed; stamens included. Seed surface minutely roughened (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### Habitat

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Moist grasslands, meadows, woodlands, open forest, thickets, especially aspen groves, riparian areas; valleys to lower subalpine (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Meadow Onion - *Allium canadense*

[http://FieldGuide.mt.gov/detail\\_PMLIL020F0.aspx](http://FieldGuide.mt.gov/detail_PMLIL020F0.aspx)



**Status Under Review**

**Global Rank:** G5

**State Rank:** SU

**AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

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## Nodding Onion - *Allium cernuum*

[http://FieldGuide.mt.gov/detail\\_PMLIL020J0.aspx](http://FieldGuide.mt.gov/detail_PMLIL020J0.aspx)



**Global Rank:** G5  
**State Rank:** S5

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

### General Description

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Bulbs elongate-ovoid, solitary or clustered; outer coat membranous with elongate cells, pink beneath. Scapes terete, 10–40 cm, sometimes >1 per bulb. Leaves 3 to 7, flat, 2–6 mm wide, persistent. Umbel nodding, hemispheric with 5–40 flowers; pedicels 8–15 mm long; bracts 2, lanceolate, acute. Flowers white to pink; tepals 4–6 mm long; ovary with prominent triangular crests; stamens exserted. Seed surface smooth to minutely roughened (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### Habitat

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Meadows, grasslands, woodlands, open forest; plains, valleys to subalpine (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Columbia Onion - *Allium columbianum*

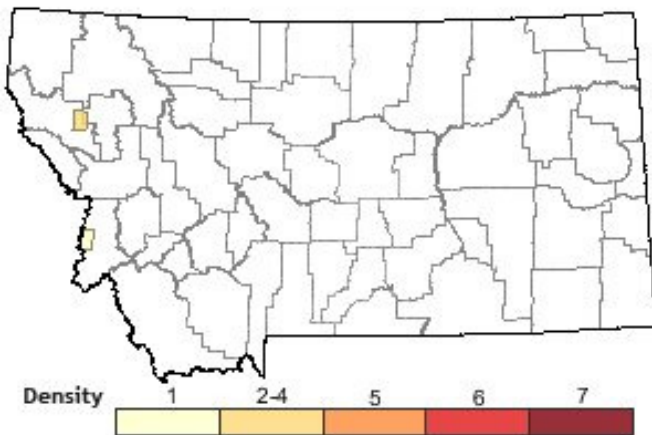
[http://FieldGuide.mt.gov/detail\\_PMLIL022R0.aspx](http://FieldGuide.mt.gov/detail_PMLIL022R0.aspx)



### Species of Concern

**Global Rank:** G3  
**State Rank:** S1

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**



**Number of Observations:** 5

### General Description

Columbia Onion is a perennial herb, 1-3 dm high and arising from solitary or clustered egg-shaped bulbs with brown or gray honeycombed coats. The 2 sickle-shaped leaves, greater than 5 mm wide and concave in cross-section, arise from near the base of the stem. Pink flowers are borne on 15-24 mm long stalks in a hemispherical inflorescence subtended by 2-3 papery, egg-shaped bracts which arise from the swollen stem top. Each flower has 6 narrowly lance-shaped, petal-like tepals, which are 7-8 mm long, and 6 stamens, which are as long or longer than the tepals.

### Habitat

Moist swales and along vernal ponds and streams in the valleys.

## Fringed Onion - *Allium fibrillum*

[http://FieldGuide.mt.gov/detail\\_PMLIL020X0.aspx](http://FieldGuide.mt.gov/detail_PMLIL020X0.aspx)



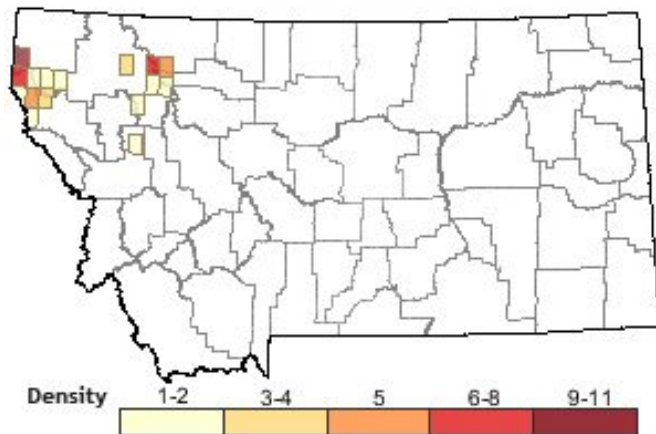
**Global Rank:** G4  
**State Rank:** S4

### **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**



**Number of Observations:** 64

### **General Description**

Fringed Onion has 2 leaves that are concave in cross-section, 1-3 mm wide, and up to 15 cm long. Bulbs are ovoid in shape with a gray-brown outer coat. The flower stalk is up to 15 cm tall and usually shorter than the leaves. There are 2 membranous bracts below the cluster of flowers, and the flowers have 6 lance-shaped petal-like tepals that are white or pinkish with green midveins. The ovary does not have a conspicuous crown.

### **Habitat**

Shallow, seasonally moist soils in the montane zone.

## Geyer's Onion - *Allium geyeri*

[http://FieldGuide.mt.gov/detail\\_PMLIL02100.aspx](http://FieldGuide.mt.gov/detail_PMLIL02100.aspx)



**Global Rank:** G4G5  
**State Rank:** S4

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

### General Description

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Bulbs narrowly ovoid, often clustered; outer coat fibrous, net-like. Scapes terete, 10–50 cm. Leaves 2 or 3, channeled, 1–3 mm wide, persistent. Umbel hemispheric or narrower with 0 to 25 flowers and 0 to 25 sessile ovoid bulbils 3–6 mm long; pedicels 5–12 mm long; bracts 2 or 3, ovate, acute to apiculate. Flowers white to pink; tepals 5–7 mm long; ovary with small crests adjacent to the style; stamens included. Seed surface minutely roughened (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

Our plants are variety *geyeri* or *tenerum* M.E. Jones.

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## Geyer's Onion - *Allium geyeri* var. *geyeri*

[http://FieldGuide.mt.gov/detail\\_PMLIL02101.aspx](http://FieldGuide.mt.gov/detail_PMLIL02101.aspx)



**Status Under Review**

**Global Rank:** G4G5T4

**State Rank:** SU

### **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

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## Geyer's Bulbil Onion - *Allium geyeri* var. *tenerum*

[http://FieldGuide.mt.gov/detail\\_PMLIL02102.aspx](http://FieldGuide.mt.gov/detail_PMLIL02102.aspx)



**Global Rank:** G4G5T3T5  
**State Rank:** S3?

### AGENCY STATUS

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

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## Small Onion - *Allium parvum*

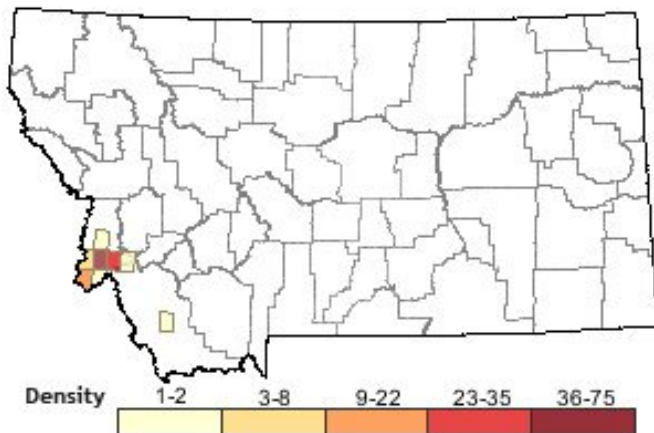
[http://FieldGuide.mt.gov/detail\\_PMLIL021P0.aspx](http://FieldGuide.mt.gov/detail_PMLIL021P0.aspx)



### Species of Concern

**Global Rank:** G5  
**State Rank:** S3

**AGENCY STATUS**  
**USFWS:**  
**USFS:** SENSITIVE  
**BLM:**



**Number of Observations:** 145

### General Description

Dwarf Onion is a perennial herb, which is 3-5 cm high, and arises from solitary or clustered egg-shaped bulbs with brown or gray fine-textured coats. The 2 sickle-shaped, flat leaves, which are 2-5 mm wide and longer than the stem, arise from near the base of the stem. The pink flowers are borne on stalks, which are 7-10 mm long, in a hemispherical inflorescence, which is subtended by 2 papery, narrowly elliptic bracts at the top of the distinctly flattened stem. Each flower has 6 narrowly lance-shaped, petal-like tepals, which are 7-10 mm long, and 6 stamens, which are shorter than the tepals. The ovary has 3 rounded crests on top.

### Habitat

Dry, open forests, woodlands, or grasslands on warm slopes in the montane zone.

## Chives - *Allium schoenoprasum*

[http://FieldGuide.mt.gov/detail\\_PMLIL02230.aspx](http://FieldGuide.mt.gov/detail_PMLIL02230.aspx)



**Global Rank:** G5  
**State Rank:** S4

### **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

### **General Description**

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Bulbs lanceoloid, clustered on a short rhizome; outer coat membranous with persistent parallel veins. Scapes terete, hollow, 15–70 cm. Leaves 2 to 5, terete, hollow, 1–7 mm wide, persistent. Umbel congested with 15 to 50 flowers; pedicels 2–10 mm long; bracts 2, ovate to suborbicular, apiculate. Flowers pink to rose; tepals 8–12 mm long; ovary crestless; stamens included. Seed surface minutely roughened (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### **Habitat**

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Wet meadows, especially along streams, lakes; valleys to lower alpine (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Dwarf Onion - *Allium simillimum*

[http://FieldGuide.mt.gov/detail\\_PMLIL02270.aspx](http://FieldGuide.mt.gov/detail_PMLIL02270.aspx)



### Species of Concern

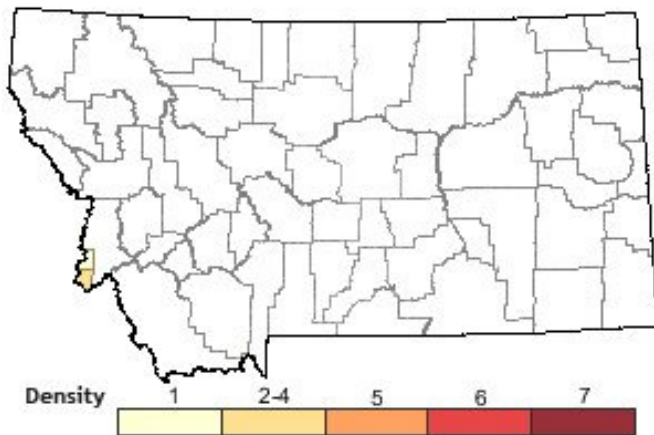
**Global Rank:** G4  
**State Rank:** S2?

### AGENCY STATUS

**USFWS:**

**USFS:**

**BLM:**



**Number of Observations:** 6

### General Description

Dwarf Onion is a perennial herb, which can be up to 1-2 cm high and arises from solitary, egg-shaped bulbs with brown or gray honeycombed coats. The 2 sickle-shaped leaves, which are 2-5 mm wide and more than twice as long as the stem, are concave in cross-section and arise from near the base of the stem. Few to several flowers are borne on stalks, which are 4-8 mm long, in a hemispherical inflorescence that is subtended by 2 papery, elliptic bracts, at the top of the slightly flattened stem. Each flower has 6 lance-shaped, white and green to pink-colored, petal-like tepals, which are 5-9 mm long, and 6 stamens, which are shorter than the tepals. The ovary has 3 rounded crests on top.

### Habitat

Moist, often gravelly soil of meadows and grasslands in the montane or lower subalpine zone.

## White Wild Onion - *Allium textile*

[http://FieldGuide.mt.gov/detail\\_PMLIL022B0.aspx](http://FieldGuide.mt.gov/detail_PMLIL022B0.aspx)



**Global Rank:** G5?  
**State Rank:** S4

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

### General Description

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Bulbs ovoid, usually clustered; outer coat fibrous, net-like. Scapes terete, 5–25 cm. Leaves 2, channeled, 1–2 mm wide, barely persistent. Umbel hemispheric with 10 to 30 flowers; pedicels 5–20 mm long; bracts 3, ovate, acuminate. Flowers: tepals white sometimes tinged with pink with brown to pink midveins, 6–7 mm long; ovary with 6 crests adjacent to the style; stamens included. Seed surface smooth (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### Habitat

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Grasslands, sagebrush steppe; plains, valleys, montane (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Short-awn Foxtail - *Alopecurus aequalis*

[http://FieldGuide.mt.gov/detail\\_PMPOA07010.aspx](http://FieldGuide.mt.gov/detail_PMPOA07010.aspx)



**Global Rank:** G5  
**State Rank:** S4?

### **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

### **General Description**

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Perennial bunchgrass, occasionally a winter annual. Stems 20–60 cm. Leaves: blades 2–5 mm broad. Inflorescence a cylindrical panicle 2–6 cm long, 4–5 mm in diameter. Spikelets 1.9–2.1 mm long, glumes silky along the veins. Lemmas awnless or awn extending up to 1 mm beyond lemma tip, arising from or just below the middle of the lemma (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### **Habitat**

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Stagnant water, stream sides and flood banks, and wet meadows at most elevations (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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# Creeping Foxtail - *Alopecurus arundinaceus*

[http://FieldGuide.mt.gov/detail\\_PMPOA07030.aspx](http://FieldGuide.mt.gov/detail_PMPOA07030.aspx)



**Exotic Species (not native to Montana)**

**Global Rank:** GNR

**State Rank:** SNA

**AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

## General Description

---

Rhizomatous perennial. Stems 1–2 m tall, 1-several from nodes of rhizomes. Leaves: blades 6–14 mm wide, ligule 2–5 mm long. Inflorescence a cylindrical panicle 4–10 cm long, 7–10 mm in diameter. Spikelets 4–5.5 mm long; glumes silky mostly from along marginal and midrib veins. Lemmas with awn from base but extending only to tip of lemma and rarely beyond (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## Habitat

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Hay meadows, along ditches, alkaline seeps, and wet meadow at low to middle elevations. (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX). blank)

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# Tufted Foxtail - *Alopecurus carolinianus*

[http://FieldGuide.mt.gov/detail\\_PMPOA07040.aspx](http://FieldGuide.mt.gov/detail_PMPOA07040.aspx)



**Global Rank:** G5  
**State Rank:** SNA

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

## General Description

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Annual (and winter annual) bunchgrass. Stems 10–30 cm. Leaves: blades 2–4 mm wide. Inflorescence a cylindrical panicle 1–3 cm long, <5 mm in diameter. Spikelets 2.5–3 mm long; glumes silky along the keel and marginal veins. Lemmas with an awn from the base and extending 2–3 mm past tip of lemma (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## Habitat

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Moist disturbed areas, wet meadows and seep areas at low to moderate elevations (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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# Water Foxtail - *Alopecurus geniculatus*

[http://FieldGuide.mt.gov/detail\\_PMPOA07060.aspx](http://FieldGuide.mt.gov/detail_PMPOA07060.aspx)



**Exotic Species (not native to Montana)**

**Global Rank:** GU

**State Rank:** SNA

## **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

## **General Description**

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Perennial bunchgrass. Stems 10–30 cm. Leaves: blades 2–4 mm wide. Inflorescence a cylindrical panicle 1–3 cm long, <5 mm in diameter. Spikelets 1.8–2.1 mm long; glumes silky along the keel and marginal veins. Lemmas with an awn from the base and extending 2–3 mm past tip of lemma (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## **Habitat**

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Moist disturbed areas, wet meadows, and muddy and gravelly banks at low to moderate elevations (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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# Mountain Foxtail - *Alopecurus magellanicus*

[http://FieldGuide.mt.gov/detail\\_PMPOA07020.aspx](http://FieldGuide.mt.gov/detail_PMPOA07020.aspx)



**Global Rank:** G5  
**State Rank:** S4

## **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

## **General Description**

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Rhizomatous perennial. Stems few-bunched, 20–100 cm. Leaves: blades 2–6 mm broad. Inflorescence a dense ovoid panicle 1.5–4 cm long, >1 cm in diameter. Spikelets 3–4 mm long; glumes silky over entire surface. Lemmas with an awn extending 2.5–3 mm beyond lemma tip, emanating from the middle (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## **Habitat**

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Moist montane to subalpine meadows and in hot spring areas (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Meadow Foxtail - *Alopecurus pratensis*

[http://FieldGuide.mt.gov/detail\\_PMPOA07090.aspx](http://FieldGuide.mt.gov/detail_PMPOA07090.aspx)



**Exotic Species (not native to Montana)**

**Global Rank:** GNR

**State Rank:** SNA

**AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

### General Description

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Perennial bunchgrass. Stems 30–100 cm. Leaves: blades 3–8 mm wide. Inflorescence a cylindrical panicle 3.5–8 cm long, 5–10 mm in diameter. Spikelets 5–6 mm long; glumes silky along the keel and marginal veins. Lemmas awned from near the base, awn extending 3–4 mm beyond lemma tip (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### Habitat

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Disturbed moist sites like roadsides and often in seasonally inundated settings (e.g., margins of reservoirs) (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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# Round-leaved Orchis - *Amerorchis rotundifolia*

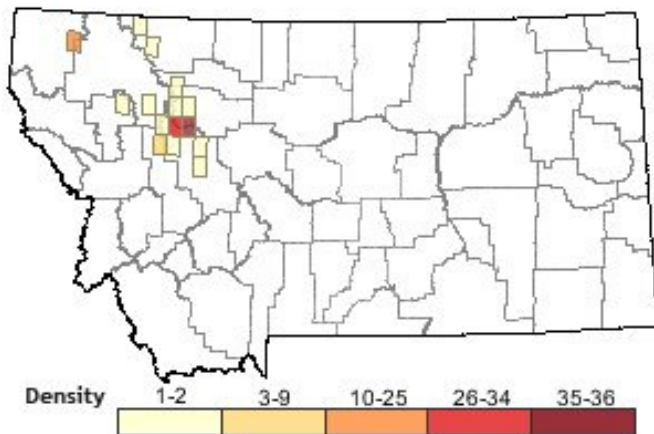
[http://FieldGuide.mt.gov/detail\\_PMORC01010.aspx](http://FieldGuide.mt.gov/detail_PMORC01010.aspx)



## Species of Concern

**Global Rank:** G5  
**State Rank:** S3

**AGENCY STATUS**  
**USFWS:**  
**USFS:** SENSITIVE  
**BLM:**



**Number of Observations:** 123

## General Description

Round-leaved Orchis is a glabrous, rhizomatous perennial with a single sub-basal leaf and a stem 10-20 cm tall. Leaf is elliptic to orbicular with a rounded tip, and is up to 10 cm long. The few to several flowers terminate the stem in a narrow inflorescence. There are 3 white to pale pink sepals. The upper is hood-shaped, 6-10 mm long, and slightly larger than the lateral ones; the 2 upper petals are narrowly lance-shaped. The large, lower petal (lip) is up to 9 mm long, white, spotted with purple, and deeply 3-lobed with a pair of lateral lobes and a notched lower one. The capsule is elliptic and contains thousands of tiny seeds.

## Habitat

Spruce forest around seeps or along streams, often in soil derived from limestone.

## Big Bluestem - *Andropogon gerardii*

[http://FieldGuide.mt.gov/detail\\_PMPOA0C090.aspx](http://FieldGuide.mt.gov/detail_PMPOA0C090.aspx)



**Global Rank:** G5  
**State Rank:** S4

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

### General Description

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Grass, perennial, growing in tufts, with offshoots on short rhizomes. Culms 0.7-1.5 m tall; sheaths hairless or with soft hairs. Leaf blades to 10 mm wide, 8-50 cm long, flat or v-shaped, light green and often red-tinged; veins distinct, margins rough to the touch; rolled at emergence. Ligule to 3 mm long, membranous, rounded at the tip, ciliate. Auricles absent. Racemes 3-6, 5-10 cm long, usually purplish. Sessile spikelets with bent awn 10-20 mm long.

### Habitat

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Along roadsides and similarly disturbed settings in eastern MT (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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# Sand Bluestem - *Andropogon hallii*

[http://FieldGuide.mt.gov/detail\\_PMPOA0C0L0.aspx](http://FieldGuide.mt.gov/detail_PMPOA0C0L0.aspx)



**Status Under Review**

**Global Rank:** G4  
**State Rank:** SU

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

## General Description

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Bunchgrass bearing extensive rhizomes. Stems 1–2 m, often glaucous. Leaves: blades 3–10 mm wide, ligule 2–4.5 mm long with a fringe of hairs. Inflorescence 5–7 cm long, internodes 4–6 mm, densely whitish hairy at nodes and along margins of internodes, the hairs 3–5 mm long. Spikelets: sessile and pedicellate spikelets 7–10 mm long; glumes mostly yellowish, acute. Lemmas: fertile lemma 4–5 mm long, awn 4–7 mm long, straight (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## Habitat

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Along roadsides and similarly disturbed settings in eastern MT (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Northern Sweet Grass - *Anthoxanthum hirtum*

[http://FieldGuide.mt.gov/detail\\_PMPOA35020.aspx](http://FieldGuide.mt.gov/detail_PMPOA35020.aspx)



**Global Rank:** G5  
**State Rank:** S3S4

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

### General Description

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Bunchgrass with creeping rhizomes. Stems 1–few bunched, 30–100 cm. Leaves: blades 2–6 mm wide. Inflorescence a pyramidal panicle 4–12 cm long. Spikelets 3–6 mm long. Lemmas the first two larger and more hairy than the glabrous uppermost floret (which is concealed by the lower two), unawned or with an awn up to 0.5 mm long (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### Habitat

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Wet meadows from low to high elevations especially in western MT (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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# Sweet Vernalgrass - *Anthoxanthum odoratum*

[http://FieldGuide.mt.gov/detail\\_PMPOA0F020.aspx](http://FieldGuide.mt.gov/detail_PMPOA0F020.aspx)



**Exotic Species (not native to Montana)**

**Global Rank:** GNR

**State Rank:** SNA

**AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

## General Description

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Perennial bunchgrass. Stems 30–60 cm. Leaves: blades 3–7 mm wide. Inflorescence a contracted panicle 2–9 cm long, about 10 mm in diameter. Spikelets 8–10 mm long. Lemmas the first two awned, hairy, and concealing the third or uppermost glabrous and unawned lemma. Roadside and similarly disturbed sites (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## Habitat

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Roadside and similarly disturbed sites (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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# Dense Silky Bentgrass - *Apera interrupta*

[http://FieldGuide.mt.gov/detail\\_PMPOA0G010.aspx](http://FieldGuide.mt.gov/detail_PMPOA0G010.aspx)



**Exotic Species (not native to Montana)**

**Global Rank:** GNR

**State Rank:** SNA

## **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

## **General Description**

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Cool season, annual bunchgrass. Stems few-bunched, 15–40 cm. Leaves: blades 0.5–1 mm wide, flat and ascending; sheaths with overlapping margins; ligule membranous. Inflorescence a contracted panicle 2–8 cm long. Spikelets with one floret 1.7–2 mm long; glume with a scabrous midvein. Lemmas 1.5–1.9 mm long, awned from the upper two-thirds with a slender awn 5–9 mm long; palea about as long as the lemma (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## **Habitat**

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Disturbed moist settings including depressions where water collects and lake margins at moderate elevations (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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# Purple Three-awn Grass - *Aristida purpurea*

[http://FieldGuide.mt.gov/detail\\_PMPOA0K0W0.aspx](http://FieldGuide.mt.gov/detail_PMPOA0K0W0.aspx)



**Global Rank:** G5  
**State Rank:** S4S5

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

## General Description

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Warm season, perennial bunchgrass. Stems 15–40 cm. Leaves: blades curly to straight, 1–2 mm wide; ligules hairy, 0.3–0.5 mm long; sheaths with overlapping margins. Inflorescence a contracted panicle 6–25 mm long. Spikelets 10–18 mm long excluding awns, with one floret; first glume 1/2 the length of the second. Lemma 9–15 mm long (including awn column), gradually tapering into a tripartite awn, awn segments 2–5 cm long; palea enclosed in floret. Disarticulation above the glumes; dispersal unit the floret (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## Habitat

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Open dry often shrub-steppe settings and on various soils (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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# Tall Oatgrass - *Arrhenatherum elatius*

[http://FieldGuide.mt.gov/detail\\_PMPOAOL010.aspx](http://FieldGuide.mt.gov/detail_PMPOAOL010.aspx)



**Exotic Species (not native to Montana)**

**Global Rank:** GNR

**State Rank:** SNA

**AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

## General Description

---

Cool season, perennial bunchgrass. Stems 40–120 cm, base of stem not enlarged or bulbous. Leaves: blades 5–9 mm wide, flat and lax; sheaths with overlapping margins; ligule membranous. Inflorescence a contracted panicle, 12–30 cm long, the branches short and verticillate. Spikelets 8–10 mm long, with 2 florets; glumes 1 nerved. Lemmas 8–9 mm long; staminate (first) floret with a twisted bent awn 1–1.6 cm long, occasionally lemma of fertile (second) floret short- to long-awned; palea well developed. Disarticulation above glumes; dispersal unit the floret cluster (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## Habitat

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Mountain meadows, rangeland, pastures, and roadside ditches, and sometimes cultivated (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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# Garden Asparagus - *Asparagus officinalis*

[http://FieldGuide.mt.gov/detail\\_PMLIL08030.aspx](http://FieldGuide.mt.gov/detail_PMLIL08030.aspx)



**Exotic Species (not native to Montana)**

**Global Rank:** G5?

**State Rank:** SNA

**AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

## General Description

Rhizomatous glabrous perennial. Stems erect, branched, 60–150 cm. Leaves scale-like, each subtending 4–15 linear branchlets 8–25 mm long. Inflorescence of 1 or 2 pendent, pedicellate flowers in leaf axils. Flowers perfect or some unisexual, regular, campanulate; tepals 2–6 mm long, yellow-green, united below; stamens 6; ovary superior, 3-celled; style 1, 3-branched. Fruit a globose, red berry 5–8 mm wide with 2 to 4 seeds (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## Habitat

Disturbed, moist grasslands, meadows, fields, roadsides; plains, valleys (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## Slender Oat - *Avena barbata*

[http://FieldGuide.mt.gov/detail\\_PMPOA0S010.aspx](http://FieldGuide.mt.gov/detail_PMPOA0S010.aspx)



**Exotic Species (not native to Montana)**

**Global Rank:** GNR

**State Rank:** SNA

### **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

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## Wild Oats - *Avena fatua*

[http://FieldGuide.mt.gov/detail\\_PMPOA0S030.aspx](http://FieldGuide.mt.gov/detail_PMPOA0S030.aspx)



**Exotic Species (not native to Montana)**

**Global Rank:** GNR

**State Rank:** SNA

**AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

### General Description

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Annual bunchgrass. Stems 50–100 cm. Leaves: blades 5–10 mm wide. Inflorescence an open panicle. Spikelets 20–25 mm long, usually with at least 3 florets. Lemmas hairless to most often long hairy, with a twisted bent blackish awn 3–4 cm long and a conspicuously hairy callus (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### Habitat

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In and around cultivated fields, roadsides, and pastures at low to moderate elevations (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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# Cultivated Oat - *Avena sativa*

[http://FieldGuide.mt.gov/detail\\_PMPOA0S050.aspx](http://FieldGuide.mt.gov/detail_PMPOA0S050.aspx)



**Exotic Species (not native to Montana)**

**Global Rank:** GNR

**State Rank:** SNA

**AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

## General Description

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Cultivated annual bunchgrass. Stems 50–100 cm. Leaves: blades 5–10 mm wide. Inflorescence an open panicle 10–25 cm long. Spikelets 17–22 mm long, usually with 2 to 3 florets. Lemmas hairless, awnless or with a straight whitish awn 0.1–3 cm long, with an inconspicuous hairless callus (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## Habitat

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Escaping cultivation at margins of fields and along roadsides and similarly disturbed settings (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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# American Sloughgrass - *Beckmannia syzigachne*

[http://FieldGuide.mt.gov/detail\\_PMPOA0W010.aspx](http://FieldGuide.mt.gov/detail_PMPOA0W010.aspx)



**Global Rank:** G5  
**State Rank:** S4

## **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

## **General Description**

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Cool season, annual bunchgrass. Stems few-many-bunched, 10–80 cm. Leaves: blades 4–10 mm wide, flat and lax; sheaths with overlapping margins; ligule membranous. Inflorescences a contracted secund panicle 5–30 cm long. Spikelets with 1 floret, circular, strongly laterally flattened, 2.5–3 mm long; glumes 1 nerved, strongly laterally compressed. Lemmas with an apiculate tip (approaching a very short awn in some spikelets); palea well developed. Disarticulation below glumes; dispersal unit the spikelet (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## **Habitat**

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Wet meadows, along ditches, streams, and lake banks, often rooted below water level (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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# Yellow Bluestem - *Bothriochloa ischaemum*

[http://FieldGuide.mt.gov/detail\\_PMPOA0Z0A0.aspx](http://FieldGuide.mt.gov/detail_PMPOA0Z0A0.aspx)



**Exotic Species (not native to Montana)**

**Global Rank:** G5

**State Rank:** SNA

## **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

## **General Description**

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Bunchgrass. Stems 6–10 dm, leaf sheaths not keeled. Leaves: blades 1–3 mm wide; ligule 0.5–1.5 mm long with a fringe of hairs. Inflorescence with numerous (2 to 8) racemes or spikes, each about 3–7 cm long, terminating the main stem in an apparently digitate arrangement. Spikelets: rachis and pedicels silky hairy along margins; sessile spikelets 3–4.5 mm long, glumes purplish to greenish, acute. Lemmas: fertile lemma with an awn 9–17 mm long; pedicellate spikelet about as large as the sessile spikelet (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## **Habitat**

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Roadsides (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Six Weeks Gramma - *Bouteloua barbata*

[http://FieldGuide.mt.gov/detail\\_PMPOA10030.aspx](http://FieldGuide.mt.gov/detail_PMPOA10030.aspx)



**Global Rank:** G5  
**State Rank:** SU

### **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

### **General Description**

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Annual bunchgrass. Stems 10–40 cm long. Leaves: blades 1–2 mm wide, often curled. Inflorescence of 4 to 7 secund lateral divergent spikes, each 1–2 cm long and with 25 to 45 spikelets. Spikelets 3–4 mm long. Lemmas hairy and with an awn to 2 mm long, disarticulating from the spikelet, rudimentary florets 1 or 2 (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### **Habitat**

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Open dry disturbed sites, probably ephemeral (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Side-oats Grama - *Bouteloua curtipendula*

[http://FieldGuide.mt.gov/detail\\_PMPOA10060.aspx](http://FieldGuide.mt.gov/detail_PMPOA10060.aspx)



**Global Rank:** G5  
**State Rank:** S4S5

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

### General Description

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Perennial bunchgrass with scaly rhizomes. Stems 4–7 dm long. Leaves: blades 2–6 mm wide, somewhat curled. Inflorescence of 20–50 secund lateral downward-oriented spikes, each 1–2 cm long and with 3–6 spikelets. Spikelets 4–5 mm long. Lemmas essentially hairless, awn-tipped, these falling with the lateral spike of spikelets; rudimentary florets 1 (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### Habitat

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Open dry rocky slopes and open understory often where *Yucca glauca* is common (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

---

## Blue Gramma - *Bouteloua gracilis*

[http://FieldGuide.mt.gov/detail\\_PMPOA10090.aspx](http://FieldGuide.mt.gov/detail_PMPOA10090.aspx)



**Global Rank:** G5  
**State Rank:** S5

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

### General Description

---

Perennial bunchgrass or sodgrass. Stems 20–50 cm long. Leaves: blades 1–2 mm wide, often curled. Inflorescence of 1 to 4 secund lateral divergent spikes, each 2–4.5 cm long and with 50 to 80 spikelets, each lateral rachis terminated by a spikelet, Spikelets 4–5.5 mm long, second glume essentially hairless or with clear gland-based hairs. Lemmas essentially hairless, short-awned, these disarticulating from the spikelet; rudimentary florets 1, densely hairy (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### Habitat

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Open dry shrub-steppe vegetation and open understory (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

---

## Field Brome - *Bromus arvensis*

[http://FieldGuide.mt.gov/detail\\_PMPOA15060.aspx](http://FieldGuide.mt.gov/detail_PMPOA15060.aspx)



**Exotic Species (not native to Montana)**

**Global Rank:** GNR

**State Rank:** SNA

### **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

---

## Chilean Brome - *Bromus berterianus*

[http://FieldGuide.mt.gov/detail\\_PMPOA151T0.aspx](http://FieldGuide.mt.gov/detail_PMPOA151T0.aspx)



**Exotic Species (not native to Montana)**

**Global Rank:** GNR

**State Rank:** SNA

### **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

---

## Rattlesnake Brome - *Bromus briziformis*

[http://FieldGuide.mt.gov/detail\\_PMPOA15090.aspx](http://FieldGuide.mt.gov/detail_PMPOA15090.aspx)



**Exotic Species (not native to Montana)**

**Global Rank:** GNR

**State Rank:** SNA

### **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

### **General Description**

---

Annual bunchgrass. Stems 15–50 cm. Leaves: blades 2–5 mm wide. Inflorescence an open panicle or raceme 4–12 cm long. Spikelets 9–14 mm long, appearing inflated, with 5 to 9 florets. Lemmas awnless or awn-tipped. Roadside, edges of crop fields, parking lots, and pastures (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### **Habitat**

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Roadside, edges of crop fields, parking lots, and pastures (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## California Brome - *Bromus carinatus*

[http://FieldGuide.mt.gov/detail\\_PMPOA150A0.aspx](http://FieldGuide.mt.gov/detail_PMPOA150A0.aspx)



**Global Rank:** G5  
**State Rank:** S4

### **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

### **General Description**

---

Perennial bunchgrass. Stems 50–100 cm. Leaves: blades 6–12 mm wide. Inflorescence an open panicle at anthesis, up to 10 cm long. Spikelets 17–22 mm long with 5 to 10 florets. Lemmas with an awn 8–17 mm long (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### **Habitat**

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Open understory and adjacent meadows in the mountains (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Fringed Brome - *Bromus ciliatus*

[http://FieldGuide.mt.gov/detail\\_PMPOA15210.aspx](http://FieldGuide.mt.gov/detail_PMPOA15210.aspx)



**Global Rank:** G5  
**State Rank:** S4S5

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

### General Description

---

Perennial bunchgrass. Stems 70–100 cm. Leaves: blades 7–10 mm wide. Inflorescence an open panicle 15–25 cm long. Spikelets 9–13 mm long with 5 to 8 florets. Lemmas with a straight awn 3–4 mm long (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### Habitat

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Open to closed montane understory (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

---

## Hairy Brome - *Bromus commutatus*

[http://FieldGuide.mt.gov/detail\\_PMPOA150D0.aspx](http://FieldGuide.mt.gov/detail_PMPOA150D0.aspx)



**Exotic Species (not native to Montana)**

**Global Rank:** GNR

**State Rank:** SNA

### **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

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# Ripgut Brome - *Bromus diandrus*

[http://FieldGuide.mt.gov/detail\\_PMPOA150F0.aspx](http://FieldGuide.mt.gov/detail_PMPOA150F0.aspx)



**Exotic Species (not native to Montana)**

**Global Rank:** G5

**State Rank:** SNA

## **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

## **General Description**

---

Stems 40–90 cm. Leaves: sheaths sparsely to densely long-soft-hairy; blades 2–5 mm wide. Inflorescence 8–30 cm, open, drooping. Spikelets strongly compressed with 3 to 9 florets; glumes keeled, glabrous; lower 8–16 mm long, 1-veined; upper 10–18 mm long, 3-veined. Lemma body 20–25 mm long, back rounded, densely silky-hairy, teeth 3–5 mm long, thread-like; awn 14–22 mm, bent, twisted below middle (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## **Habitat**

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Disturbed sites, partial shade, open understory, edges of buildings, and rocky sites (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Soft Brome - *Bromus hordeaceus*

[http://FieldGuide.mt.gov/detail\\_PMPOA150K0.aspx](http://FieldGuide.mt.gov/detail_PMPOA150K0.aspx)



**Exotic Species (not native to Montana)**

**Global Rank:** GNR

**State Rank:** SNA

**AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

### General Description

---

Annual bunchgrass. Stems 20–80 cm. Leaves: blades 2–3 mm wide. Inflorescence a narrow panicle 3–10 cm long. Spikelets 8–13 mm long with 5 to 7 florets. Lemmas with a straight awn 6–10 mm long (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### Habitat

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Disturbed sites especially gravelly roadsides, lots, and loose steep rocky sites (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

---

## Smooth Brome - *Bromus inermis*

[http://FieldGuide.mt.gov/detail\\_PMPOA150L0.aspx](http://FieldGuide.mt.gov/detail_PMPOA150L0.aspx)



**Exotic Species (not native to Montana)**

**Global Rank:** G5

**State Rank:** SNA

**AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

### General Description

---

Rhizomatous perennial. Stems 30–130 cm. Leaves: blades 4–12 mm wide, often with a “W” wrinkle about halfway along the leaf blade. Inflorescence a narrow panicle 7–18 cm long. Spikelets 15–30 mm long, with 8 to 15 florets. Lemmas awnless, ≈2 mm long when lemmas glabrous or 3–10 mm long when lemmas hairy (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### Habitat

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Roadsides, pastures, meadows, and grasslands from low to middle montane elevations (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).)

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## Smooth Brome - *Bromus inermis ssp. inermis*

[http://FieldGuide.mt.gov/detail\\_PMPOA150L1.aspx](http://FieldGuide.mt.gov/detail_PMPOA150L1.aspx)



**Exotic Species (not native to Montana)**

**Global Rank:** G5TNR

**State Rank:** SNA

**AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

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## Pumpelly's Brome - *Bromus inermis ssp. pumpellianus*

[http://FieldGuide.mt.gov/detail\\_PMPOA150L2.aspx](http://FieldGuide.mt.gov/detail_PMPOA150L2.aspx)



**Global Rank:** G5T5  
**State Rank:** SNR

### **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

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## Japanese Brome - *Bromus japonicus*

[http://FieldGuide.mt.gov/detail\\_PMPOA150M0.aspx](http://FieldGuide.mt.gov/detail_PMPOA150M0.aspx)



**Exotic Species (not native to Montana)**

**Global Rank:** GNR

**State Rank:** SNA

### **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

### **General Description**

---

Annual bunchgrass. Stems 20–60 cm. Leaves: blades 2–4 mm wide. Inflorescence an open panicle 10–20 cm long, the branches drooping to one side and at least some flexuous, each branch bearing several spikelets. Spikelets 8–13 mm long, with 5 to 11 florets. Lemmas broad; awn 2–6 mm long, straight to curved downward at maturity (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### **Habitat**

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Roadsides, pastures, overgrazed sagebrush steppe, sites with strongly fluctuating water levels, and other open disturbed dry sites (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Broad-glumed Brome - *Bromus latiglumis*

[http://FieldGuide.mt.gov/detail\\_PMPOA151M0.aspx](http://FieldGuide.mt.gov/detail_PMPOA151M0.aspx)



**Status Under Review**

**Global Rank:** G5

**State Rank:** SU

**AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

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## Basin Brome - *Bromus polyanthus*

[http://FieldGuide.mt.gov/detail\\_PMPOA15120.aspx](http://FieldGuide.mt.gov/detail_PMPOA15120.aspx)



**Status Under Review**

**Global Rank:** G5

**State Rank:** SU

### **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

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## Porter's Brome - *Bromus porteri*

[http://FieldGuide.mt.gov/detail\\_PMPOA151N0.aspx](http://FieldGuide.mt.gov/detail_PMPOA151N0.aspx)



**Global Rank:** G5  
**State Rank:** S4?

### **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

### **General Description**

---

Perennial bunchgrass. Stems 30–90 cm. Leaves: blades 3–5 mm wide. Inflorescence an open panicle 6–10 cm long. Spikelets 15–20 mm long, with 5 to 11 florets. Lemmas hairy with an awn (1)2–3 mm long (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### **Habitat**

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Open to closed montane understory, sometimes at edges of forested sites (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Spiked Brome - *Bromus racemosus*

[http://FieldGuide.mt.gov/detail\\_PMPOA15150.aspx](http://FieldGuide.mt.gov/detail_PMPOA15150.aspx)



**Exotic Species (not native to Montana)**

**Global Rank:** GNR

**State Rank:** SNA

### **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

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## Rye Brome - *Bromus secalinus*

[http://FieldGuide.mt.gov/detail\\_PMPOA151B0.aspx](http://FieldGuide.mt.gov/detail_PMPOA151B0.aspx)



**Exotic Species (not native to Montana)**

**Global Rank:** GNR

**State Rank:** SNA

### **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

### **General Description**

---

Annual bunchgrass. Stems 30–60 cm. Leaves: blades 4–8 mm wide. Inflorescence a nodding panicle 7–12 cm long. Spikelets 10–15 mm long, with 5 to 8 florets. Lemmas with a straight or down-curved awn 10–20 mm long (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### **Habitat**

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Disturbed sites, roadsides, and overgrazed rangelands (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Corn Brome - *Bromus squarrosus*

[http://FieldGuide.mt.gov/detail\\_PMPOA151D0.aspx](http://FieldGuide.mt.gov/detail_PMPOA151D0.aspx)



**Exotic Species (not native to Montana)**

**Global Rank:** GNR

**State Rank:** SNA

### **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

### **General Description**

---

Annual bunchgrass. Stems loosely bunched, 40–60 cm. Leaves: blades 2–4 mm wide. Inflorescence an open panicle 10–20 cm long, the branches short, not secund, each bearing one spikelet, at least some flexuous. Spikelets 10–16 mm long, with 7 to 12 florets. Lemmas broad with a flattened awn 2–6 mm long, bending outward at maturity (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### **Habitat**

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Disturbed sites especially roadsides (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Cheatgrass - *Bromus tectorum*

[http://FieldGuide.mt.gov/detail\\_PMPOA151H0.aspx](http://FieldGuide.mt.gov/detail_PMPOA151H0.aspx)



### Regulated Plants

**Exotic Species (not native to Montana)**

**Global Rank:** GNR

**State Rank:** SNA

### AGENCY STATUS

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

### General Description

---

Annual bunchgrass. Stems 20–50 cm. Leaves: blades 2–4 mm wide. Inflorescence an open, often nodding panicle 2–15 cm long. Spikelets 10–17 mm long, with 3 to 6 florets. Lemmas 9–12 mm long, gradually tapered into two narrow teeth; awn straight or twisted, 12–20 mm long (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### Habitat

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Roadsides, overgrazed rangeland and sagebrush steppe, and open dry understory (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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# Narrow-flowered Brome - *Bromus vulgaris*

[http://FieldGuide.mt.gov/detail\\_PMPOA151L0.aspx](http://FieldGuide.mt.gov/detail_PMPOA151L0.aspx)



**Status Under Review**

**Global Rank:** G5  
**State Rank:** S4?

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

## General Description

---

Perennial bunchgrass. Stems 80–100 cm. Leaves: blades 5–10 mm wide. Inflorescence an open, nodding or drooping panicle 7–15 cm long. Spikelets 2–2.5 mm long, with 5 to 7 florets. Lemmas with a straight to twisted awn 12–18 mm long (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## Habitat

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Montane grasslands and open understory (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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# Buffalo Grass - *Buchloe dactyloides*

[http://FieldGuide.mt.gov/detail\\_PMPOA16010.aspx](http://FieldGuide.mt.gov/detail_PMPOA16010.aspx)



**Global Rank:** G4G5  
**State Rank:** S4?

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

## General Description

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Warm season, dioecious, perennial sodgrass with creeping stolons. Stems 4–10 cm. leaf blades 1–1.5 mm wide, curly; sheaths with overlapping margins; ligule hairy. Inflorescence: staminate of 1 to 3 secund, lateral, divergent spikes, each 8–15 mm long with 10 to 15 spikelets, pistillate of 4 to 5 spikelets clustered into a short burr-like head or enclosed in sheathing leaf bases, this falling entire. Spikelets 4–6 mm long with 1 floret, the second glume becoming hardened and bony in texture and forming the burr-like covering. Lemmas distinctly 3-nerved, awnless, fused 2 to 5 together into a burr-like structure; palea enclosed in floret. Disarticulation above glumes in staminate inflorescence or below glumes in pistillate inflorescence; unit of dispersal is 3 to 5 spikelets enclosed in a burr-like covering (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## Habitat

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Disturbance-prone open dry sites including pastures, roadsides, and lawns (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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# Threadleaf Beakseed - *Bulbostylis capillaris*

[http://FieldGuide.mt.gov/detail\\_PMCYP02020.aspx](http://FieldGuide.mt.gov/detail_PMCYP02020.aspx)



**Status Under Review**

**Global Rank:** G5

**State Rank:** SU

**AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

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# Flowering-rush - *Butomus umbellatus*

[http://FieldGuide.mt.gov/detail\\_PMBUT01010.aspx](http://FieldGuide.mt.gov/detail_PMBUT01010.aspx)



**Noxious Weed**

**Exotic Species (not native to Montana)**

**Global Rank:** G5

**State Rank:** SNA

**AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

## General Description

---

Perennial scapose herb from a fleshy rhizome. Herbage glabrous. Leaves mainly basal, 2-ranked, ascending to erect, linear, 4–8 mm wide. Inflorescence an umbel enclosed by 3 ovate, purplish bracts, reflexed at anthesis; pedicels unequal, 1–9 cm long; scape 3-angled, 50–100 cm. Flowers perfect, regular; sepals 3, green; petals 3, pinkish, 8–12 mm long; stamens 9; ovaries superior; pistils 6. Fruit many-seeded, beaked follicles, 8–10 mm long (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## Habitat

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Marshes, wetlands and slow-moving water along riverbanks.

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# Blue-joint reedgrass - *Calamagrostis canadensis*

[http://FieldGuide.mt.gov/detail\\_PMPOA17050.aspx](http://FieldGuide.mt.gov/detail_PMPOA17050.aspx)



**Global Rank:** G5  
**State Rank:** S5

## **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

## **General Description**

---

Rhizomatous bunchgrass. Stems 60–110 cm. Leaves: blades mostly 3–10 mm wide. Inflorescence an open panicle 7–35 cm long. Spikelets 4–5 mm long. Lemmas with an awn extending at most <1 mm beyond lemma tip, callus hairs nearly as long as the lemmas (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## **Habitat**

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Middle to high elevations in mountain meadows and open understory, often along streams or lake margins (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Dense Pine reedgrass - *Calamagrostis koelerioides*

[http://FieldGuide.mt.gov/detail\\_PMPOA170J0.aspx](http://FieldGuide.mt.gov/detail_PMPOA170J0.aspx)



**Status Under Review**

**Global Rank:** G5  
**State Rank:** SU

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

### General Description

---

Rhizomatous bunchgrass. Stems 70–100 cm. Leaves: blades 2–4 mm wide. Inflorescence a contracted panicle 8–12 cm long. Spikelets 4.5–5.5 mm long. Lemma with a bent awn barely surpassing the glumes, callus hairs mostly <1/2 the length of lemma (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### Habitat

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Montane understory (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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# Plains reedgrass - *Calamagrostis montanensis*

[http://FieldGuide.mt.gov/detail\\_PMPOA170R0.aspx](http://FieldGuide.mt.gov/detail_PMPOA170R0.aspx)



**Global Rank:** G5  
**State Rank:** S4?

## **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

## **General Description**

---

Rhizomatous. Stems single to few-bunched, 20–50 cm. Leaves: blades 2–3 mm broad. Inflorescence a contracted panicle 5–10 cm long. Spikelets 3.5–6 mm long. Lemma with a bent awn barely if at all surpassing the glume tips, callus hairs one-half to two-thirds as long as lemma (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## **Habitat**

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Mostly moderately disturbed settings in open dry shrub steppe vegetation from low to middle elevations (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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# Purple reedgrass - *Calamagrostis purpurascens*

[http://FieldGuide.mt.gov/detail\\_PMPOA17100.aspx](http://FieldGuide.mt.gov/detail_PMPOA17100.aspx)



**Global Rank:** G5?  
**State Rank:** S4?

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

## General Description

---

Rhizomatous bunchgrass. Stems 20–70 cm. Leaves: blades 2–5 mm wide. Inflorescence a contracted panicle 3–8 dm long. Spikelets mostly 6–7 mm long. Lemmas with a bent awn surpassing glumes by 2–4 mm, callus hairs <one-third the length of lemma (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## Habitat

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Dry mountain meadows to subalpine and alpine slopes (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Pinegrass - *Calamagrostis rubescens*

[http://FieldGuide.mt.gov/detail\\_PMPOA17110.aspx](http://FieldGuide.mt.gov/detail_PMPOA17110.aspx)



**Global Rank:** G5  
**State Rank:** S5

### **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

### **General Description**

---

Rhizomatous. Stems 60–100 cm. Leaves: blades 2–5 mm wide. Inflorescence a contracted panicle 4–15 cm long. Spikelets 4–4.5 mm long. Lemmas with a bent awn barely surpassing if at all the glume tips, callus hairs  $>1/2$  the lemma length, sometimes less (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### **Habitat**

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Montane understory often of spruce and fir forests (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

---

# Ditch reedgrass - *Calamagrostis scopulorum*

[http://FieldGuide.mt.gov/detail\\_PMPOA17120.aspx](http://FieldGuide.mt.gov/detail_PMPOA17120.aspx)



**Status Under Review**

**Global Rank:** G5  
**State Rank:** SU

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

## General Description

---

Rhizomatous bunchgrass. Stems 50–80 cm. Leaves: blades 5–7 mm wide. Inflorescence a contracted panicle 6–12 cm long. Spikelets 6–7 mm long. Lemma with a slender straight awn not surpassing the lemma tip, callus hairs  $>1/2$  as long as the lemma (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## Habitat

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Dry understory at middle elevations (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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# Slimstem reedgrass - *Calamagrostis stricta*

[http://FieldGuide.mt.gov/detail\\_PMPOA17170.aspx](http://FieldGuide.mt.gov/detail_PMPOA17170.aspx)



**Global Rank:** G5  
**State Rank:** S4?

## **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

## **General Description**

---

Rhizomatous bunchgrass. Stems loosely bunched, 50–100 cm. Leaves: blades mostly 2–5 mm wide. Inflorescence a contracted panicle 6–15 cm long. Spikelets 3.5–5 mm long. Lemma with a slender straight awn barely surpassing lemma tip, callus hairs >1/2 the length of lemma (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## **Habitat**

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Stream sides, gravel benches, wet meadows, and seasonally inundated settings such as roadside ditches (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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# Cascade reedgrass - *Calamagrostis tweedyi*

[http://FieldGuide.mt.gov/detail\\_PMPOA17150.aspx](http://FieldGuide.mt.gov/detail_PMPOA17150.aspx)



## Species of Concern

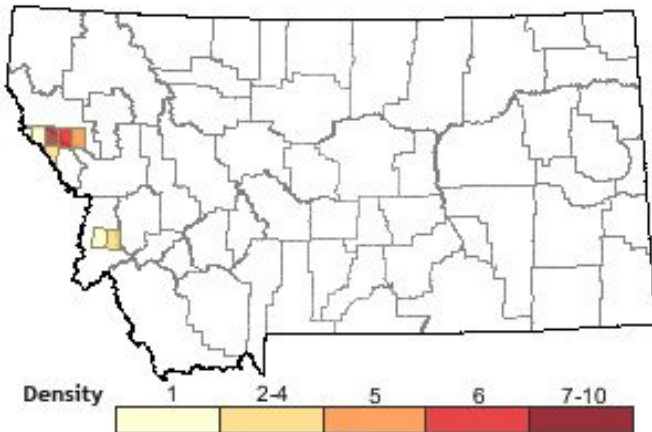
**Global Rank:** G3  
**State Rank:** S3

## AGENCY STATUS

**USFWS:**

**USFS:**

**BLM:**



**Number of Observations:** 31

## General Description

Cascade Reedgrass is a glabrous perennial arising from a short rhizome with flowering stems which stand 4-15 dm tall. The blades of the stem leaves are flat, 5-13 mm wide, and up to about 12 cm long; leaves from short vegetative shoots have somewhat narrower and longer blades (up to 30 cm). The leaves have open sheaths and membranous ligules, which are 6-15 mm long, but no auricles. Numerous spikelets are borne in a compact panicle which is 8-16 cm long and about 2 cm wide. The spikelets consist of 2 glumes which enclose a single floret. The glumes are approximately equal in size, 4.5-9 mm long, and slightly longer than the lemma. A sharply bent awn arises from around the middle of the lemma back and exceeds the glumes by about 5 mm. The callus is slightly bearded with hairs less than 1 mm long.

## Habitat

Seral stages of Douglas-fir and subalpine fir forests in the montane zone.

# Prairie Sandreed - *Calamovilfa longifolia*

[http://FieldGuide.mt.gov/detail\\_PMPOA18050.aspx](http://FieldGuide.mt.gov/detail_PMPOA18050.aspx)



**Global Rank:** G5  
**State Rank:** S5

## **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

## **General Description**

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Warm season, rhizomatous perennial often bunched or in patches. Stems 60–150 cm. Leaves: blades 3–8 mm wide, wiry; sheaths with overlapping margins; ligule hairy. Inflorescence a narrow to open panicle 15–40 cm long. Spikelets 4–6 mm long, with 1 floret; glumes enclosing the floret. Lemmas with 1 distinct vein, awnless with a long hairy callus. Disarticulation above glumes; unit of dispersal the floret (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## **Habitat**

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Mostly in open dry moderately disturbed settings at lower elevations. (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Baker Mariposa Lily - *Calochortus apiculatus*

[http://FieldGuide.mt.gov/detail\\_PMLI0D050.aspx](http://FieldGuide.mt.gov/detail_PMLI0D050.aspx)



**Global Rank:** G4  
**State Rank:** S3S4

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

### General Description

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Stem 10–35 cm. Leaf blade 5–18 mm wide. Bracts 2 or more, 1–5 cm long. Flowers 1 to 3; sepals 15–25 mm long; petals white, drying yellowish with serrulate margins; inner surface often yellow basally, hairy with a small, dark circular gland near the base; anthers lanceolate, apiculate. Capsule nodding, ovoid 1–3 mm long (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### Habitat

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Grasslands, drier meadows, forest openings; valleys to lower subalpine (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Bruneau Mariposa Lily - *Calochortus bruneaunis*

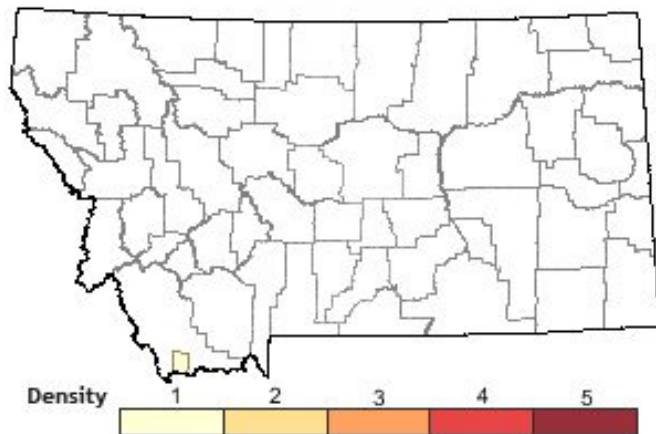
[http://FieldGuide.mt.gov/detail\\_PMLI0D070.aspx](http://FieldGuide.mt.gov/detail_PMLI0D070.aspx)



### Species of Concern

**Global Rank:** G5  
**State Rank:** S1S3

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**



**Number of Observations:** 1

### General Description

Bruneau Mariposa Lily has a single erect, unbranched stem, 1-4 dm tall, which arises from a bulb with a papery coat. The long, linear, alternate leaves are rolled or u-shaped in cross-section. Foliage is glabrous. 1-4 flowers are borne on erect stalks subtended by 2 or more linear bracts at the top of the stem. Flowers have 3 pointed, egg-shaped petals, 25-45 mm long, that are nearly glabrous and white with a vertical green stripe and a red or purple spot above the circular gland near the yellowish base. The 3 sepals are narrowly lance-shaped and shorter than the petals. The fruit is a narrowly lance-shaped, 3-angled capsule that is 35-55 mm long.

### Habitat

Dry meadows and grasslands in the foothills or montane zones.



## Elegant Mariposa Lily - *Calochortus elegans*

[http://FieldGuide.mt.gov/detail\\_PMLI0D0D0.aspx](http://FieldGuide.mt.gov/detail_PMLI0D0D0.aspx)



**Global Rank:** G3G4  
**State Rank:** S3S4

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

### General Description

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Stem 5–25 cm. Leaf blade 2–10 mm wide. Bracts usually 2, 5–30 mm long. Flowers 1 to 5; sepals 10–15 mm long, purplish; petals white; inner surface hairy, purplish above and below the fringed, hemispheric gland; anthers lanceolate, apiculate. Capsule ellipsoid, nodding, 1–2 cm long (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

Our plants are variety *selwayensis* (H.St.John) Owenby

### Habitat

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Bedrock meadows, shallow soils and meadows in areas of Montana having a less extremely continental climate. Usually in open areas but sometimes in partial shade.

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## Big-pod Mariposa Lily - *Calochortus eurycarpus*

[http://FieldGuide.mt.gov/detail\\_PMLI0D0E0.aspx](http://FieldGuide.mt.gov/detail_PMLI0D0E0.aspx)



**Global Rank:** G4  
**State Rank:** S3S4

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

### General Description

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Stem 15–60 cm. Leaf blade linear to linear-lanceolate, 2–10 mm wide. Bracts 1–4 cm long. Flowers 1 to 3; sepals yellowish, 15–30 mm long; petals white or purplish, 3–4 cm long; inner surface sparsely hairy with a purple, flattened-hemispheric mark 4–6 mm above the fringed bullet-shaped gland; anthers oblong. Capsule ellipsoid, erect, 2–3 cm long (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### Habitat

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Most often in subalpine meadows. In Montana, this species descends to the valleys. In either case, it prefers open areas and in Montana, it grows in well-drained soil.

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# Gunnison's Mariposa-lily - *Calochortus gunnisonii*

[http://FieldGuide.mt.gov/detail\\_PMLI0D0J0.aspx](http://FieldGuide.mt.gov/detail_PMLI0D0J0.aspx)



**Status Under Review**

**Global Rank:** G5  
**State Rank:** SU

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

## General Description

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Stem 20–40 cm. Leaf blades 1–2 mm wide. Bracts 1–7 cm long. Flowers 1 or 2; sepals 15–45 mm long, marked with purple; petals greenish to purplish, 3–5 cm long; inner surface with a yellow-fringed, crescent-shaped gland extending the width of the petal, purple above and below; anthers apiculate. Capsule spindle-shaped, erect, 2–5 cm long (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

Our plants are variety *gunnisonii*.

## Habitat

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Usually calcareous soil of grasslands, sagebrush steppe, woodlands, open forest; valleys, montane (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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# Green-band Mariposa Lily - *Calochortus macrocarpus*

[http://FieldGuide.mt.gov/detail\\_PMLI0D0U0.aspx](http://FieldGuide.mt.gov/detail_PMLI0D0U0.aspx)



**Status Under Review**

**Global Rank:** G5  
**State Rank:** SU

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

## General Description

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Stem 20–50 cm. Leaf blade 1–2 mm wide, becoming inrolled. Bracts 3–10 cm long. Flowers 1 to 4; sepals 3–6 cm long, purple; petals purple, 3–5 cm long, apiculate; outer surface with a green midvein; inner surface with an ovate, yellow-fringed gland and a crescent-shaped purple mark above; anthers lanceoloid. Capsule spindle-shaped, erect, 4–5 cm long (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## Habitat

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Grasslands, pine woodlands; valleys (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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# Nuttall's Mariposa Lily - *Calochortus nuttallii*

[http://FieldGuide.mt.gov/detail\\_PMLI0D100.aspx](http://FieldGuide.mt.gov/detail_PMLI0D100.aspx)



**Status Under Review**

**Global Rank:** G5  
**State Rank:** SU

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

## General Description

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Stem 10–40 cm. Leaf blade linear, 1–3 mm wide. Bracts 2–8 cm long. Flowers 1 to 4; sepals 2–3 cm long, greenish; petals white, purple-tinged, yellow at the base, 3–5 cm long; inner surface nearly glabrous, with a purple, crescent-shaped mark above the circular, fringed gland; anthers oblong. Capsule spindle-shaped, erect, 3–6 cm long (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## Habitat

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Grasslands, sagebrush steppe, open forest, woodlands; plains, valleys (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Fairy Slipper - *Calypso bulbosa*

[http://FieldGuide.mt.gov/detail\\_PMORC0D010.aspx](http://FieldGuide.mt.gov/detail_PMORC0D010.aspx)



**Global Rank:** G5  
**State Rank:** S4S5

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

### General Description

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Stems 5–20 cm, scapose with 2 sheathing bracts. Leaf basal, solitary, petiolate; blade glabrous, ovate, 3–6 cm long. Inflorescence a solitary flower subtended by a purplish, linear bract, 8–20 mm long. Flowers: sepals purple, lanceolate, 14–22 mm long, erect; upper 2 petals similar; lip petal forming a white- and purple-spotted pouch, ca. 2 cm long, open at the top, yellow within; margin of the orifice (lamina) bearded with paired horns near the front; column obovate, yellowish, hood-like over the lip. Capsule lanceoloid, 20–35 mm long (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

We have varieties *occidentalis* (Holz.) B. Boivin and *americana* (R. Br.) Luer.

### Habitat

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Dry to wet coniferous forest; valleys, montane (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Fairy Slipper - *Calypso bulbosa* var. *americana*

[http://FieldGuide.mt.gov/detail\\_PMORC0D011.aspx](http://FieldGuide.mt.gov/detail_PMORC0D011.aspx)



**Global Rank:** G5T5?  
**State Rank:** S4

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

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## Fairy Slipper - *Calypso bulbosa* var. *occidentalis*

[http://FieldGuide.mt.gov/detail\\_PMORC0D012.aspx](http://FieldGuide.mt.gov/detail_PMORC0D012.aspx)



**Global Rank:** G5T5  
**State Rank:** S4

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

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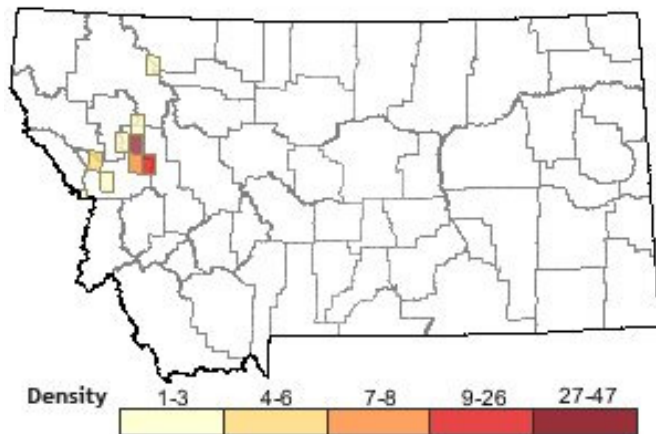
# Common Camas - *Camassia quamash*

[http://FieldGuide.mt.gov/detail\\_PMLILOE040.aspx](http://FieldGuide.mt.gov/detail_PMLILOE040.aspx)



**Global Rank:** G5  
**State Rank:** S4S5

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**



**Number of Observations:** 94

## General Description

Glabrous perennials from globose bulbs. Stems erect, 20–60 cm. Leaves basal, linear-lanceolate, 2–15 mm wide. Inflorescence a terminal raceme; each flower subtended by a green, linear bract; pedicels 5–10 mm long. Flowers nearly regular, star-shaped, blue; tepals spreading, separate, linear-lanceolate, 15–25 mm long; stamens shorter than tepals; anthers yellow; style 3-lobed. Fruit an ellipsoid, 3-angled capsule 6–12 mm long (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

Our plants are variety *quamash*.

## Habitat

Deep soil of moist to wet meadows, grasslands; valleys to lower subalpine (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

# Black-and-white Scale Sedge - *Carex albonigra*

[http://FieldGuide.mt.gov/detail\\_PMCYP030F0.aspx](http://FieldGuide.mt.gov/detail_PMCYP030F0.aspx)



**Global Rank:** G5  
**State Rank:** S4S5

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

## General Description

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Caespitose. Stems erect, 8–25 cm. Leaves basal and lower-cauline; blades 2–5 mm wide. Inflorescence of 2 to 4 short-pedunculate, erect spikes forming a tight cluster; lowest bract inconspicuous. Spikes 8–15 mm long, terminal largest; male flowers basal. Perigynia erect, purplish-black, elliptic, 2–4 mm long, including the short beak, scabrous on the margins; stigmas 3. Female scales dark brown to black with light margins, as long as but narrower than the perigynia. Achene 3-sided, partly filling the perigynium (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## Habitat

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Dry to moist turf, fellfields; alpine (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Big-leaf Sedge - *Carex amplifolia*

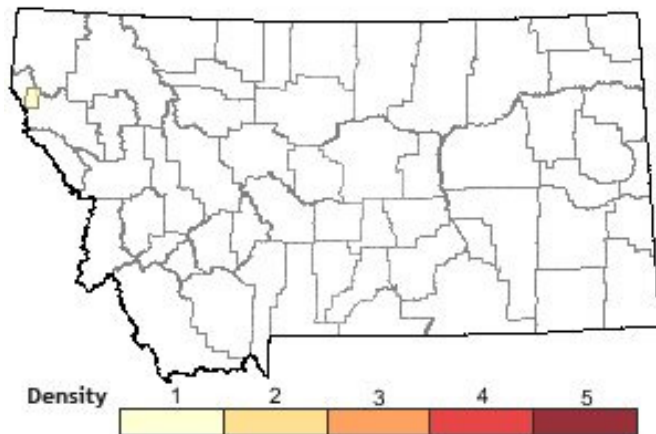
[http://FieldGuide.mt.gov/detail\\_PMCYP030N0.aspx](http://FieldGuide.mt.gov/detail_PMCYP030N0.aspx)



### Species of Concern

**Global Rank:** G4  
**State Rank:** SH

**AGENCY STATUS**  
**USFWS:**  
**USFS:** SENSITIVE  
**BLM:**



**Number of Observations:** 1

### General Description

Big-leaf Sedge is a perennial grass-like plant with a single or several sharply triangular stems, 5-10 dm tall, which arise together from creeping rhizomes. The flat leaves, 8-20 mm wide and up to 5 dm long, are distributed evenly along the stem. Foliage is glabrous. Flowers are clustered in cylindrical spikes, 4-10 cm long, and arise from the axils of the smaller upper leaves (bracts). A single spike of male flowers occurs at the tip with several female spikes on short stalks below. The glabrous perigynia (female flowers), 2.5-3.5 mm long, are egg-shaped with a short beak. The lance-shaped scales are slightly shorter than the perigynia which they subtend and have a dark papery margin and a green or pale midvein, often with a pointed tip. There are 3 stigmas and the seed (achene) is 3-sided.

### Habitat

Open areas of moist riparian forests in the valleys.

# Columbian Sedge - *Carex aperta*

[http://FieldGuide.mt.gov/detail\\_PMCYP030U0.aspx](http://FieldGuide.mt.gov/detail_PMCYP030U0.aspx)



**Global Rank:** G4  
**State Rank:** S3S4

## **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

## **General Description**

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Short-rhizomatous. Stems erect, 25–60 cm, loosely tufted. Leaves basal and cauline; blades 2–5 mm wide. Inflorescence of 3 to 5 well-separated spikes; the lowest bract equal to or smaller than the inflorescence. Spikes ascending; the uppermost 1 or 2 male; the lower female, 1–3 cm long, short-pedunculate, cylindrical. Perigynia ascending, coppery, suborbicular to obovate, veinless, glabrous, plump, 2–3 mm long with a tiny beak. Female scales acute to acuminate, dark brown with a pale midstripe and margins, longer but narrower than the perigynia. Achene 2-sided, partly filling the perigynium (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## **Habitat**

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Marshes, wet meadows, shores of ponds, lakes, streams; valleys, montane (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Water Sedge - *Carex aquatilis*

[http://FieldGuide.mt.gov/detail\\_PMCYP030V0.aspx](http://FieldGuide.mt.gov/detail_PMCYP030V0.aspx)



**Global Rank:** G5  
**State Rank:** S5

### **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

### **General Description**

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Rhizomatous. Stems erect, 30–100 cm, often tufted. Leaves basal and cauline; blades 2–6 mm wide. Inflorescence of 3 to 10 well-separated spikes; the lowest bract greater than the inflorescence. Spikes erect; the uppermost 1 to 3 male, the lower female or androgynous, subsessile to pedunculate below, 12–60 mm long, cylindric. Perigynia ascending, green to tan, obovate, veinless, glabrous, 2–3 mm long with a minute beak. Female scales lanceolate, acute, brown with a pale midstripe, equal to or smaller and narrower than the perigynia. Achene 2-sided, smaller than the perigynium (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### **Habitat**

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Marshes, wet meadows, fens, streambanks; plains, valleys, montane (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Water Sedge - *Carex aquatilis* var. *aquatilis*

[http://FieldGuide.mt.gov/detail\\_PMCYP030V2.aspx](http://FieldGuide.mt.gov/detail_PMCYP030V2.aspx)



**Global Rank:** G5T5  
**State Rank:** S5

### **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

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## Sitka Sedge - *Carex aquatilis* var. *dives*

[http://FieldGuide.mt.gov/detail\\_PMCYP030V4.aspx](http://FieldGuide.mt.gov/detail_PMCYP030V4.aspx)



**Global Rank:** G5T5  
**State Rank:** SNR

### AGENCY STATUS

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

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## Northern Clustered Sedge - *Carex arcta*

[http://FieldGuide.mt.gov/detail\\_PMCYP030X0.aspx](http://FieldGuide.mt.gov/detail_PMCYP030X0.aspx)



**Global Rank:** G5  
**State Rank:** S4

### **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

### **General Description**

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*Carex arcta* is a tightly clumped sedge with short underground stems. The soft stems are about 2 feet high, rough at the top, and often overtopped by the pale or grayish green, soft, flat, narrow leaves only 1/8" wide. The leaf sheath is conspicuously purple-dotted and concave near the summit. The ligule is pointed and longer than wide. The 5-15 spikes are all clustered together at the tops of the stems. Each spike has 10-20 or more perigynia crowded together. The perigynia are egg-shaped with a definite beak that is strongly toothed. They have obvious nerves on the outside face with faint nerves on the inside face. They are 2-3 mm long and 1.2-1.5 mm wide. The perigynia scales are pointed, slightly shorter than the perigynia, clear with a green center and often brown-tinged.

### **Habitat**

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Wetlands along streams, ponds, lakes, often with *Carex athrostachya*; valleys, montane (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Awned Sedge - *Carex atherodes*

[http://FieldGuide.mt.gov/detail\\_PMCYP03160.aspx](http://FieldGuide.mt.gov/detail_PMCYP03160.aspx)



**Global Rank:** G5  
**State Rank:** S4

### **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

### **General Description**

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Rhizomes deep. Stems erect, 40–100 cm, tufted. Leaves: basal and cauline; blades 3–10 mm wide; sheaths pilose. Inflorescence of 4 to 10 well-separated spikes; the lowest bract equal to or greater than the inflorescence. Spikes ascending to erect; the uppermost 2 to 4 male; the lower female, 2–7 cm long, pedunculate, cylindric. Perigynia ascending, green to tan, lanceolate, veiny, glabrous, 7–10 mm long including an apically divided beak, 3–5 mm long; stigmas 3. Female scales brown, lanceolate, long-awned, narrower and as long as the perigynia. Achene 3-sided, smaller than the perigynium (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### **Habitat**

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Moist to wet meadows, marshes, riparian forests, often around lakes, ponds where inundated early but eventually drying; plains, valleys (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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# Jointed-spike Sedge - *Carex athrostachya*

[http://FieldGuide.mt.gov/detail\\_PMCYP03170.aspx](http://FieldGuide.mt.gov/detail_PMCYP03170.aspx)



**Global Rank:** G5  
**State Rank:** S4

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

## General Description

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Caespitose. Stems erect, 15–80 cm. Leaves basal and lower-cauline blades 1–4 mm wide. Inflorescence of 3 to 8 sessile spikes in a dense head; lowest bract spreading, linear, usually longer than the inflorescence. Spikes 5–9 mm long, all similar, female flowers above, male below. Perigynia erect, (narrowly) lanceolate, green to tan, wing- and serrulate-margined, 3–4 mm long including the indistinct 1–2 mm long beak, serrulate below, entire above; stigmas 2. Female scales lanceolate, acuminate, light brown with a pale midvein, as wide and just shorter than the perigynia. Achene 2-sided, much smaller than the perigynium (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## Habitat

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Wet or vernal wet soil of meadows, sparsely vegetated shores of streams, ponds; plains, valleys, montane (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX). (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Blackened Sedge - *Carex atosquama*

[http://FieldGuide.mt.gov/detail\\_PMCYP031B0.aspx](http://FieldGuide.mt.gov/detail_PMCYP031B0.aspx)



**Global Rank:** G5  
**State Rank:** S4

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

### General Description

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Caespitose with old leaves at the often reddish base. Stems erect, 10–45 cm. Leaves basal and lower-cauline; blades 1–4 mm wide. Inflorescence of 3 to 5 short-pedunculate, ascending to erect, loosely clustered spikes. Spikes 10–18 mm long, all similar; male flowers basal on uppermost spike otherwise all female. Perigynia green to purplish, elliptic, 3–4 mm long, scabrous on the margins; beaks 0.3–0.5 mm long; stigmas 3. Female scales blackish throughout, as long or barely shorter than the perigynia but nearly as broad. Achene 3-sided, partly filling the perigynium (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### Habitat

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Moist to dry meadows, turf, fellfields; subalpine, lower alpine (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Golden-fruit Sedge - *Carex aurea*

[http://FieldGuide.mt.gov/detail\\_PMCYP031C0.aspx](http://FieldGuide.mt.gov/detail_PMCYP031C0.aspx)



**Global Rank:** G5  
**State Rank:** S4

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

### General Description

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Rhizomatous. Stems erect, 3–30 cm. Leaves basal and cauline; blades 1–4 mm wide. Inflorescence of 2 to 4 well-separated spikes; the lowest bract greater than the inflorescence. Spikes ascending or spreading; the uppermost male; the lower female, pedunculate, 5–20 mm long, narrowly cylindric. Perigynia spreading, white to green, becoming golden, obovoid, fleshy, papillose, 2–3 mm long, loosely aggregated; stigmas 2. Female scales ovate, sometimes awn-tipped, light brown with a pale midvein and hyaline margins, shorter but nearly as wide as the perigynia. Achene 2-sided, smaller than the perigynium (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### Habitat

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Moist meadows, turf, usually around streams, ponds, seeps, wetlands; plains, valleys to lower alpine (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Rocky Mountain Sedge - *Carex backii*

[http://FieldGuide.mt.gov/detail\\_PMCYP031F0.aspx](http://FieldGuide.mt.gov/detail_PMCYP031F0.aspx)



**Status Under Review**

**Global Rank:** G4  
**State Rank:** S1S3

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

### General Description

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A densely tufted grass-like plant, this sedge has leaves 1.3-5.4 mm wide. The leaves are up to 37 cm long and the whole plant often appears somewhat flattened. The flowers and fruits, which occur in clusters 0.7-1.6 cm long, are borne on the tips of stalks which are shorter than the leaves. The flowers and fruits are inconspicuous because they are completely concealed by leaf like structures (scales) which surround each individual flower/fruit in a cluster. The best way to look for this plant is to search for these leafy scales.

### Habitat

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Grasslands, thickets; valleys, montane (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Bebb's Sedge - *Carex bebbii*

[http://FieldGuide.mt.gov/detail\\_PMCYP031M0.aspx](http://FieldGuide.mt.gov/detail_PMCYP031M0.aspx)



**Global Rank:** G5  
**State Rank:** S4

### **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

### **General Description**

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Caespitose. Stems erect, 20–70 cm. Leaves: basal blades absent; cauline blades 1–3 mm wide. Inflorescence of 4 to 10 sessile spikes, aggregated into an ovoid to elongate head. Spikes 4–9 mm long, all similar; female flowers above, male below; lowest bract inconspicuous. Perigynia erect, glabrous, green to tan, ovate, flattened, wing-margined, 3–4 × 1–2 mm, gradually tapering to the indistinct beak, 1–2 mm long, serrulate to the tip; stigmas 2. Female scales tan-hyaline, sometimes with a green midvein, shorter and narrower than the perigynia. Achene 2-sided, smaller than the perigynium (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### **Habitat**

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Wet meadows, marshes, streambanks, shores of lakes, ponds; valleys (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Bolander's Sedge - *Carex bolanderi*

[http://FieldGuide.mt.gov/detail\\_PMCYP031W0.aspx](http://FieldGuide.mt.gov/detail_PMCYP031W0.aspx)



**Status Under Review**

**Global Rank:** G5  
**State Rank:** SNR

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

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## Fescue Sedge - *Carex brevior*

[http://FieldGuide.mt.gov/detail\\_PMCYP03220.aspx](http://FieldGuide.mt.gov/detail_PMCYP03220.aspx)



**Global Rank:** G5?  
**State Rank:** S4

**AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

### General Description

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Caespitose. Stems erect, 20–80 cm. Leaves: basal blades absent; cauline blades 2–3 mm wide. Inflorescence of 3–6 sessile spikes, overlapping or aggregated into a capitate to elongate head; lowest bract inconspicuous. Spikes 5–10 mm long, all similar; female flowers above, male below. Perigynia erect, glabrous, green to tan, orbicular, flattened, wing-margined, 3.5–5 × 2–3 mm including the distinct beak, 1.5–2.5 mm long, serrulate to the tip; stigmas 2. Female scales tan with a white to green midvein and hyaline margins, narrower and shorter than the perigynia. Achene 2-sided, smaller than the perigynium (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### Habitat

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Moist grasslands, meadows, woodlands; plains, valleys (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Brownish Sedge - *Carex brunnescens*

[http://FieldGuide.mt.gov/detail\\_PMCYP03280.aspx](http://FieldGuide.mt.gov/detail_PMCYP03280.aspx)



**Global Rank:** G5  
**State Rank:** S3S4

### **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

### **General Description**

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Caespitose Stems erect, 20–50 cm. Leaves basal and cauline; blades 1–2 mm wide. Inflorescence of 4 to 8 sessile, well-separated spikes; lowest bract shorter than the inflorescence. Spikes 3–7 mm long, all similar, female flowers above, male below. Perigynia erect to ascending, green to tan, ovate, 2–2.5 mm long with a serrulate beak, ca. 0.5 mm long; stigmas 2. Female scales ovate, green to tan with a dark midvein and hyaline margins, shorter but nearly as wide as the perigynia. Achene 2-sided, filling the perigynium (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

Our plants are subspecies *brunnescens*.

### **Habitat**

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Wet meadows, seeps, often in cedar forests; montane (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Buxbaum's Sedge - *Carex buxbaumii*

[http://FieldGuide.mt.gov/detail\\_PMCYP032B0.aspx](http://FieldGuide.mt.gov/detail_PMCYP032B0.aspx)



**Global Rank:** G5  
**State Rank:** S4

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

### General Description

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Rhizomatous. Stems erect, 25–80 cm. Leaves: basal bladeless; cauline blades 1–3 mm wide. Inflorescence of 2 to 5 short-pedunculate, erect, barely overlapping spikes; lowest bract ca. as long as the inflorescence. Spikes 1–2 cm long; uppermost bisexual with male flowers below; otherwise all female. Perigynia ascending to spreading, green, papillose, elliptic, 3–4.5 mm long, beakless, somewhat inflated; stigmas 3. Female scales narrowly lanceolate, brown with a pale midvein, awned, as long but narrower than the perigynia. Achene 3-sided, smaller than the perigynium (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### Habitat

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Fens, wet meadows; valleys, montane (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Hoary Sedge - *Carex canescens*

[http://FieldGuide.mt.gov/detail\\_PMCYP032F0.aspx](http://FieldGuide.mt.gov/detail_PMCYP032F0.aspx)



**Global Rank:** G5  
**State Rank:** S4S5

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

### General Description

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Caespitose. Stems erect, 10–40 cm. Leaves basal and cauline blades 1–3 mm wide. Inflorescence of 4 to 8 sessile, overlapping to clustered spikes; lowest bract short. Spikes 4–9 mm long, all similar, female flowers above, male below. Perigynia ascending, pale green to light tan, ovate, 2–3 mm long with an indistinct, serrulate beak <0.5 mm long; stigmas 2. Female scales ovate, whitish to green with a green midvein, nearly as long and wide as the perigynia. Achene 2-sided, filling the perigynium (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

Our plants are subspecies *canescens*.

### Habitat

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Wet, usually organic soil of meadows, marshes, fens; montane, lower subalpine (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Hair-like Sedge - *Carex capillaris*

[http://FieldGuide.mt.gov/detail\\_PMCYP032G0.aspx](http://FieldGuide.mt.gov/detail_PMCYP032G0.aspx)



**Global Rank:** G5  
**State Rank:** S4S5

### **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

### **General Description**

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Caespitose. Stems erect, 2–40 cm. Leaves mainly basal; blades 1–3 mm wide. Inflorescence of 2 to 5 arching-pedunculate spikes; the lowest bract shorter than the inflorescence. Spikes: the uppermost male, ca. 5 mm long; the lower female, 4–12 mm long, cylindric. Perigynia spreading to ascending, green to tan, narrowly ovoid, glabrous, 2.5–3.5 mm long with a beak ca. 0.5 mm long; stigmas 3. Female scales pale with a darker midstripe, shorter and ca. as wide as the perigynia. Achene 3-sided, nearly filling the perigynium (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### **Habitat**

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Wet, usually organic soil of stream banks, wet meadows, fens, turf, montane to alpine (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Capitate Sedge - *Carex capitata*

[http://FieldGuide.mt.gov/detail\\_PMCYP032H0.aspx](http://FieldGuide.mt.gov/detail_PMCYP032H0.aspx)



**Status Under Review**

**Global Rank:** G5  
**State Rank:** S3?

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

### General Description

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Short-rhizomatous. Stems erect, 5–15 cm, tufted. Leaves mainly basal; blades ca. 1 mm wide, inrolled. Inflorescence a solitary spike; lowest bract absent. Spike ovoid, 5–10 mm long; male flowers above female. Perigynia ascending, glabrous, suborbicular, 3–3.5 mm long, tan to brown, with a distinct, entire beak ca. 0.5 mm long; stigmas 2. Female scales brown with hyaline margins, exposing only the tip of the perigynia. Achene 2-sided, smaller than the perigynium (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### Habitat

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Open, dry or wet places at high altitudes in the mountains.

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# Copper-scale Sedge - *Carex chalciolepis*

[http://FieldGuide.mt.gov/detail\\_PMCYP035X4.aspx](http://FieldGuide.mt.gov/detail_PMCYP035X4.aspx)



**Status Under Review**

**Global Rank:** G5T4T5  
**State Rank:** S1?

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

## General Description

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Caespitose. Stems erect, 20–50 cm. Leaves basal and lower-cauline; blades 1–4 mm wide. Inflorescence of 2 to 6 short-pedunculate, erect spikes forming a loose cluster; lowest spike sometimes arching. Spikes 10–25 mm long, all similar; male flowers basal on uppermost spike otherwise all female. Perigynia erect, purplish to green, elliptic, 4–4.5 mm long, scabrous on the upper margin, filled by the achene; beaks 0.3–0.5 mm long; stigmas 3. Female scales narrowly lanceolate, blackish with thin, hyaline margins, as long or longer but much narrower than the perigynia. Achene 3-sided, much smaller than the perigynium (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## Habitat

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Moist meadows; subalpine (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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# Creeping Sedge - *Carex chordorrhiza*

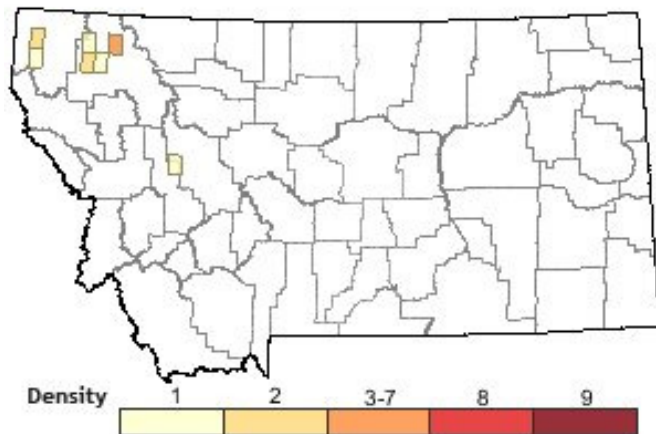
[http://FieldGuide.mt.gov/detail\\_PMCYP032U0.aspx](http://FieldGuide.mt.gov/detail_PMCYP032U0.aspx)



## Species of Concern

**Global Rank:** G5  
**State Rank:** S3

**AGENCY STATUS**  
**USFWS:**  
**USFS:** SENSITIVE  
**BLM:**



**Number of Observations:** 15

## General Description

Creeping Sedge is a perennial grass-like plant with a single or several stems, 1-3 dm tall, which arise from creeping rhizomes. Old stems become elongate and prostrate. 1-3 leaves, 1-5 cm long, occur at the base of fertile stems. Non-flowering stems have longer leaves. Flowers are borne in 3-8 small, aggregated clusters (spikes) at the stem tips. Each spike has male flowers above and 1-5 female flowers (perigynia) below. The many-nerved perigynia are egg-shaped and 2.5-3.5 mm long. The scales are broadly egg-shaped and the same length as the perigynia that they subtend. There are 2 styles, and the seed (achene) is lens-shaped.

## Habitat

Wet, organic soil of fens in the montane zone.



## Bristly Sedge - *Carex comosa*

[http://FieldGuide.mt.gov/detail\\_PMCYP032Y0.aspx](http://FieldGuide.mt.gov/detail_PMCYP032Y0.aspx)



### Species of Concern

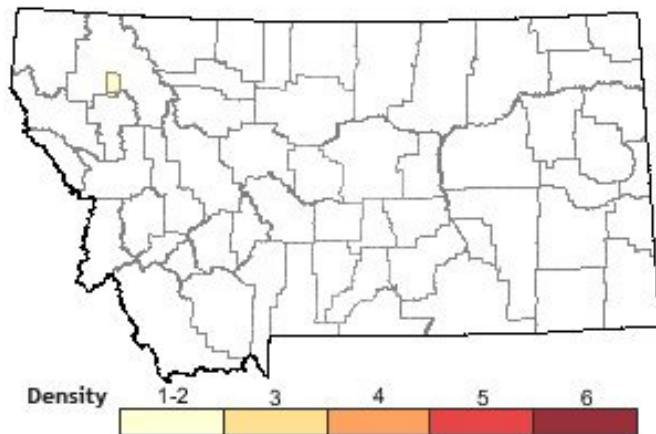
**Global Rank:** G5  
**State Rank:** S1S2

### AGENCY STATUS

**USFWS:**

**USFS:**

**BLM:**



**Number of Observations:** 2

### General Description

Bristly Sedge is a coarse, perennial, grasslike plant with clustered stems, 5-10 dm high, which arise from a short rhizome. The long, glabrous leaves are flat and 4-11 mm wide. Flowers are clustered in cylindrical spikes, 2-7 cm long, which arise from the axils of the smaller upper leaves (bracts). The lowest bract leaf is much longer than the inflorescence. Male flowers are borne in a narrow spike at the top; 3-5 nodding female spikes, 15 mm thick, occur below. The glabrous, spreading, pale green, lance-shaped perigynia, 5-8 mm long, have a long beak ending in two long, slender, divergent lobes. The papery scales subtending the perigynia are 1-2 mm long with a pointed tip which can be up to 6 mm long. Each perigynia has 3 styles and a 3-sided achene.

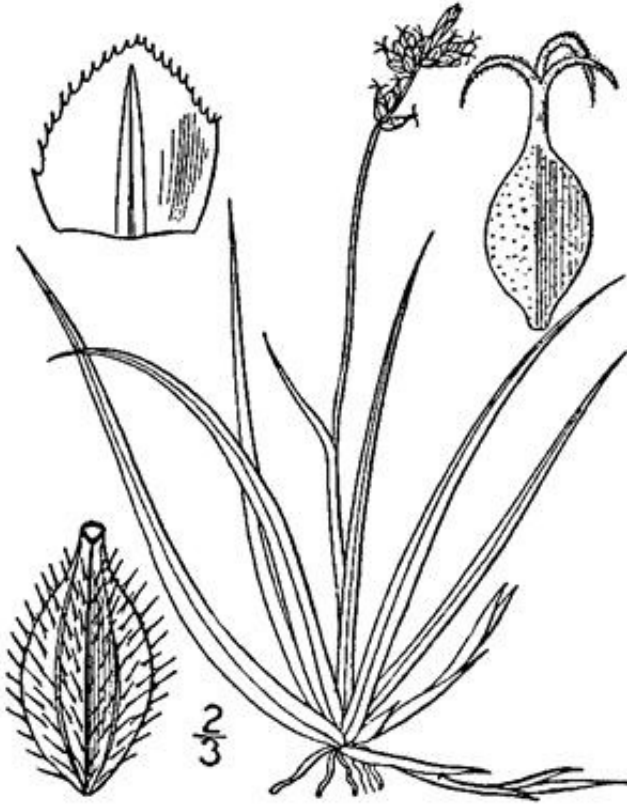
### Habitat

Marshes in the valleys.



## Beautiful Sedge - *Carex concinna*

[http://FieldGuide.mt.gov/detail\\_PMCYP03300.aspx](http://FieldGuide.mt.gov/detail_PMCYP03300.aspx)



**Global Rank:** G5  
**State Rank:** S4

### **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

### **General Description**

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Rhizomatous. Stems ascending to erect, 5–20 cm, often tufted. Leaves mainly basal; blades 1–3 mm wide. Inflorescence of 3 to 4 overlapping spikes; the lowest bract inconspicuous. Spikes short-pedunculate, ascending; the uppermost male, 3–6 mm long; the lower female, 4–8 mm long, few-flowered. Perigynia ascending to spreading, yellow-green, pubescent, obovoid, 2–3 mm long with a minute beak; stigmas 3. Female scales ovate, brown with a pale midvein and hyaline margins, shorter and narrower than the perigynia. Achene 3-sided, filling the perigynium (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### **Habitat**

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Wet, often calcareous soil of seeps, forests (often spruce), streambanks; montane (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Northwestern Sedge - *Carex concinnoides*

[http://FieldGuide.mt.gov/detail\\_PMCYP03310.aspx](http://FieldGuide.mt.gov/detail_PMCYP03310.aspx)



**Global Rank:** G5  
**State Rank:** S5

### **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

### **General Description**

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Rhizomatous. Stems erect, 6–40 cm, often tufted. Leaves basal and cauline; blades 2–5 mm wide. Inflorescence of 2 to 4 sessile, overlapping spikes; the lowest bract inconspicuous. Spikes ascending; the uppermost male, 10–18 mm long; the lower female, 5–10 mm long, few-flowered. Perigynia ascending, pale green, pubescent, obovoid, 2.5–3 mm long with a short beak; stigmas 4 (3–5). Female scales ovate, purplish-black with hyaline margins, ca. as large as the perigynia. Achene obovoid, filling the perigynium. Moist to dry, coniferous forest; valleys to lower subalpine (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### **Habitat**

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Moist to dry, coniferous forest; valleys to lower subalpine (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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# Cordilleran Sedge - *Carex cordillerana*

[http://FieldGuide.mt.gov/detail\\_PMCYP03KY0.aspx](http://FieldGuide.mt.gov/detail_PMCYP03KY0.aspx)



**Status Under Review**

**Global Rank:** G3G4  
**State Rank:** SNR

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

## General Description

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Stems erect, 7–40 cm. Leaves basal and lower-cauline, some greater than the inflorescence, yellowish; blades 1–5 mm wide. Inflorescence of 1 to 4 well-separated spikes; lowest bract greater than the inflorescence. Spikes erect to ascending; similar, pedunculate, 5–10 mm long, not including the basal female scales; male flowers above, few, inconspicuous. Perigynia 3 to 5, ascending, green, obovoid, glabrous, loosely aggregated, 3–4.5 mm long, with a smooth beak 0.5–1.5 mm long; stigmas 3. Female scales green, elongate, bract-like below, ovate and shorter above. Achene 3-sided, filling the perigynium (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## Habitat

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Open forest along streams; valleys (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Crawe's Sedge - *Carex crawei*

[http://FieldGuide.mt.gov/detail\\_PMCYP03360.aspx](http://FieldGuide.mt.gov/detail_PMCYP03360.aspx)



### Species of Concern

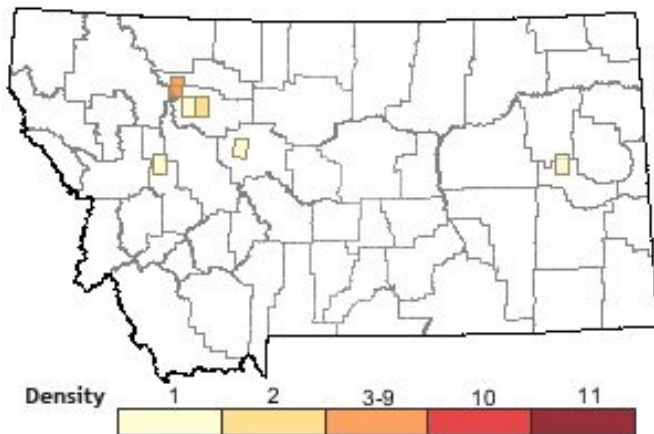
**Global Rank:** G5  
**State Rank:** S2S3

### AGENCY STATUS

**USFWS:**

**USFS:**

**BLM:** SENSITIVE



**Number of Observations:** 15

### General Description

Craw's Sedge is a perennial grass-like plant with a single or several stems, 1-3 dm high, which arise together from creeping rhizomes. The flat leaves, 1-3 mm wide, are mainly clustered near the base of the plant. 15-50 female flowers are clustered in cylindrical spikes, 1-2 cm long, and borne singly on stalks arising from the upper leaves (bracts). Male flowers are clustered together in the uppermost spike. Scales subtending the individual female flowers (perigynia) are shorter and narrower than the perigynia and are brown and membranous with a pale, thickened midvein. Elliptic, glabrous perigynia are pale green to light brown, often with reddish speckles, and 2-4 mm long. There are 3 stigmas, and the seed is triangular in cross-section.

### Habitat

Crawe's sedge grows in wet, gravelly or sandy soil along streams or pond margins, often where there is some natural wave or flow disturbance. It occurs in the valleys and montane foothills, especially where the dominant parent material is calcareous. Common associates include *Carex oederi*, *C. lanuginosa*, *C. aurea*, *Juncus balticus*, and *Potentilla fruticosa*.

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## Crawford's Sedge - *Carex crawfordii*

[http://FieldGuide.mt.gov/detail\\_PMCYP03370.aspx](http://FieldGuide.mt.gov/detail_PMCYP03370.aspx)



**Global Rank:** G5  
**State Rank:** S4

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

### General Description

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Densely caespitose. Stems erect, 20–50 cm. Leaves basal and cauline; blades 1–4 mm wide. Inflorescence of 3 to 8 sessile spikes, aggregated into an elongate head; lowest bract inconspicuous. Spikes 5–9 mm long, all similar; female flowers above male. Perigynia erect, light brown with green margins, glabrous, narrowly lanceolate, narrowly wing-margined, 3–4 × 0.6–1.2 mm, tapered to the 1.5–2 mm long beak, weakly serrulate to the tip; stigmas 2. Female scales golden brown with a green midvein, shorter and as wide as the perigynia. Achene 2-sided, nearly filling the perigynium (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### Habitat

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Moist meadows, forest openings, shores of streams, lakes; valleys, montane (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Cusick's Sedge - *Carex cusickii*

[http://FieldGuide.mt.gov/detail\\_PMCYP033E0.aspx](http://FieldGuide.mt.gov/detail_PMCYP033E0.aspx)



**Global Rank:** G5  
**State Rank:** S4

### **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

### **General Description**

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Caespitose. Stems erect, 30–90 cm. Leaves: basal bladeless; cauline sheaths coppery opposite the blades that are 3–5 mm wide. Inflorescence of numerous, sessile spikes, congested on cylindric, ascending, overlapping branches; lowest bract usually inconspicuous. Spikes 5–8 mm long, all similar; male flowers above female or all female. Perigynia ascending to spreading, lanceolate, brown to green, glabrous, serrulate-margined, 2.5–3.5 mm, tapered to the flattened, grooved beak, 1–1.5 mm long; stigmas 2. Female scales hyaline-brown, lanceolate, hiding the perigynia. Achene 2-sided, filling the perigynium (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### **Habitat**

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Wet, organic soil of fens, marshes; valleys (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Short-scale Sedge - *Carex deweyana*

[http://FieldGuide.mt.gov/detail\\_PMCYP033Q0.aspx](http://FieldGuide.mt.gov/detail_PMCYP033Q0.aspx)



**Global Rank:** G5  
**State Rank:** S4

**AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

### General Description

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Caespitose. Stems ascending to erect, 15–70 cm. Leaves basal and lower-cauline; blades 2–5 mm wide. Inflorescence of 2 to 6 sessile, well-separated to overlapping spikes; lowest bract usually shorter than the inflorescence. Spikes 5–10 mm long, all similar; female flowers above male. Perigynia ascending to spreading, green to tan, narrowly elliptic, 3.5–5 mm long including the 1.5–2 mm long, serrulate beak; stigmas 2. Female scales ovate, hyaline with a green midvein, shorter and as wide as the perigynia. Achene 2-sided, filling the perigynium (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### Habitat

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Moist to wet forest openings, thickets; valleys to lower subalpine (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Lesser Panicked Sedge - *Carex diandra*

[http://FieldGuide.mt.gov/detail\\_PMCYP033R0.aspx](http://FieldGuide.mt.gov/detail_PMCYP033R0.aspx)



**Global Rank:** G5  
**State Rank:** S4

### **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

### **General Description**

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Stems erect, 15–75 cm. Leaves: basal bladeless; cauline sheaths white, minutely red-dotted opposite the blades that are 1–3 mm wide. Inflorescence: spikes numerous, sessile, congested, ovoid, clustered on overlapping branches; lowest bract inconspicuous. Spikes 3–7 mm long, all similar; male flowers above female. Perigynia ascending, lanceolate, tan to brown, glabrous, serrulate-margined, 2.5–3 mm tapered to the ca. 1 mm long beak; stigmas 2. Female scales tan, hyaline-margined, lanceolate, barely shorter and narrower than the perigynia. Achene 2-sided, filling the perigynium (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### **Habitat**

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Often calcareous fens, marshes; valleys to montane (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## - *Carex diluta*

[http://FieldGuide.mt.gov/detail\\_PMCYP03KF0.aspx](http://FieldGuide.mt.gov/detail_PMCYP03KF0.aspx)



**Exotic Species (not native to Montana)**

**Global Rank:** GNR

**State Rank:** SNA

**AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

### **General Description**

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Short-rhizomatous. Stems erect, 15–50 cm, tufted. Leaves mainly basal, yellowish; blades 2–5 mm wide. Inflorescence of 3 to 5 well-separated, pedunculate spikes; the lowest bract greater than the inflorescence. Spikes: 1–2 cm long; the uppermost male, erect, 8–25 mm long; the lower female, ascending to spreading, cylindric. Perigynia ascending to spreading, yellowish, narrowly obovoid, glabrous, veiny, 2.5–3.5 mm long; beak 0.4–0.7 mm long. Female scales ovate, acute, scarious-margined, shorter than the perigynia. Achene 3-sided, smaller than the perigynium (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### **Habitat**

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Moist alkaline meadows; valleys (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Softleaf Sedge - *Carex disperma*

[http://FieldGuide.mt.gov/detail\\_PMCYP033U0.aspx](http://FieldGuide.mt.gov/detail_PMCYP033U0.aspx)



**Global Rank:** G5  
**State Rank:** S4

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

### General Description

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Rhizomatous. Stems erect, 10–50 cm, somewhat tufted. Leaves basal and lower-cauline; blades 1–3 mm wide. Inflorescence of 2 to 6 sessile, remote to overlapping spikes, bractless. Spikes 2–5 mm long, all similar; few male flowers above the female. Perigynia 1 to 3 per spike, spreading to ascending, green to tan, red-veined, glabrous, elliptic, 2–3 mm long with an obscure beak; stigmas 2. Female scales ovate, hyaline with a tan midvein, shorter and narrower than the perigynia. Achene 2-sided, filling the perigynium (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### Habitat

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Wet, organic soil, often beneath shrubs, in swamps, fens, wet coniferous forest; valleys, montane (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Douglas' Sedge - *Carex douglasii*

[http://FieldGuide.mt.gov/detail\\_PMCYP033Y0.aspx](http://FieldGuide.mt.gov/detail_PMCYP033Y0.aspx)



**Global Rank:** G5  
**State Rank:** S4S5

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

### General Description

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Dioecious, rhizomatous. Stems erect, 5–30 cm. Leaves lower-cauline; blades 1–2 mm wide. Inflorescence of 3 to 15 spikes; densely clustered in an ovoid head; lowest bract usually shorter than the inflorescence. Spikes unisexual, sessile, ascending; female ovoid, 8–15 mm long; male lanceolate. Perigynia erect, lanceolate, green to tan, glabrous, 3.5–4.5 mm long including the slender beak 1–2 mm long; stigmas 2. Female scales ovate, tan with pale margins and midvein, hiding the perigynia. Achene 2-sided, partly filling the perigynium (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### Habitat

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Moist, often compacted or disturbed soil of grasslands, meadows, stream or lake terraces; plains, valleys, montane (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Needleleaf Sedge - *Carex duriuscula*

[http://FieldGuide.mt.gov/detail\\_PMCYP03GJ0.aspx](http://FieldGuide.mt.gov/detail_PMCYP03GJ0.aspx)



**Global Rank:** G5  
**State Rank:** SNR

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

### General Description

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Rhizomatous. Stems erect, 4–25 cm, loosely tufted. Leaves: basal bladeless; cauline blades 1–2 mm wide. Inflorescence of 3 to 8 spikes in a dense ovoid cluster; lowest bract inconspicuous. Spikes sessile, similar, ascending, ovoid; 4–7 mm long; male flowers above the few female. Perigynia ascending, ovate, brown, glabrous, 2.5–3.5 mm long tapered to an indistinct serrulate beak 0.5–1 mm long; stigmas 2. Female scales ovate, apiculate, dark brown with hyaline margins, hiding the perigynia. Achene 2-sided, filling the perigynium (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

Lesica (2012) treats this as the species *Carex eleocharis* L.H. Bailey.

### Habitat

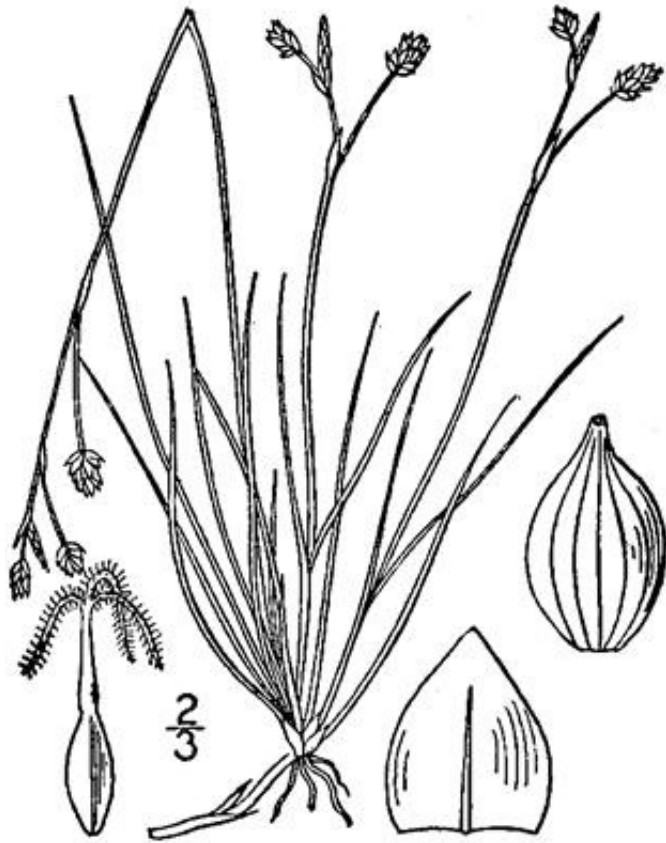
---

Dry, often sandy soil of sparsely vegetated or disturbed grasslands, sagebrush steppe; plains, valleys, montane (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Ivory Sedge - *Carex eburnea*

[http://FieldGuide.mt.gov/detail\\_PMCYP03420.aspx](http://FieldGuide.mt.gov/detail_PMCYP03420.aspx)



**Status Under Review**

**Global Rank:** G5  
**State Rank:** S3?

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

### General Description

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Rhizomatous. Stems erect, 10–25 cm, tufted. Leaves basal and lower-cauline; blades <0.5 mm wide. Inflorescence of 3 to 5 remote spikes; lower bract bladeless. Spikes ascending or spreading, unisexual; the male terminal, ca. 5 mm long; the lower female, long-pedunculate, 3–5 mm long, few-flowered. Perigynia ascending to spreading, green becoming tan, narrowly obovoid, glabrous, ca. 2 mm long with a beak <0.5 mm long, loosely aggregated; stigmas 3. Female scales ovate, hyaline with a dark midstripe, shorter but as wide as the perigynia. Achene 3-sided, filling the perigynium (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### Habitat

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Moist green ash forests on the Great Plains or wet spruce forests of intermountain valleys.

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## Little Prickly Sedge - *Carex echinata*

[http://FieldGuide.mt.gov/detail\\_PMCYP03430.aspx](http://FieldGuide.mt.gov/detail_PMCYP03430.aspx)



**Status Under Review**

**Global Rank:** G5  
**State Rank:** S3?

**AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

### General Description

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Caespitose. Stems erect, 12–40 cm. Leaves basal and cauline; blades 1–2 mm wide. Inflorescence of 2 to 5 sessile, well-separated spikes; lowest bract inconspicuous. Spikes ca. 5 mm long; the uppermost bisexual with a few male flowers below; the lower female. Perigynia spreading, brown, ovate, thin-edged, 2–3 mm long, tapered to the serrulate beak, 1–1.5 mm long; stigmas 2. Female scales ovate, hyaline-tan with a green midvein, shorter than the perigynia. Achene 2-sided, filling the perigynium (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

Our plants are subspecies *echinata*.

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## Blackroot Sedge - *Carex elynoides*

[http://FieldGuide.mt.gov/detail\\_PMCYP03490.aspx](http://FieldGuide.mt.gov/detail_PMCYP03490.aspx)



**Global Rank:** G5  
**State Rank:** S5

### **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

### **General Description**

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Densely caespitose. Stems erect, 3–12 cm with old leaf sheaths at the base. Leaves basal and lower-cauline; blades ca. 0.5 mm wide. Inflorescence a solitary bractless spike. Spike narrow, 8–18 mm long; male flowered portion usually >5 mm long; female flowers below male. Perigynia obovoid, 2.5–4 mm long, brown, with an entire beak =0.5 mm long and sometimes a few hairs above; stigmas 3. Female scales brown with hyaline margins, mostly larger than the perigynia. Achene 3-sided, filling the perigynium (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### **Habitat**

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Fellfields, dry turf; alpine (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Engelmann's Sedge - *Carex engelmannii*

[http://FieldGuide.mt.gov/detail\\_PMCYP034D0.aspx](http://FieldGuide.mt.gov/detail_PMCYP034D0.aspx)



**Global Rank:** G4G5  
**State Rank:** S4

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

### General Description

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Rhizomatous. Stems erect, 1–15 cm, densely tufted. Leaves basal and lower-cauline; blades =0.5 mm wide. Inflorescence a solitary spike; lowest bract scale-like. Spike ovoid, 8–14 mm long; male flowers above, female below. Perigynia elliptic, 3–4.5 mm long, brown, tapered to a short, indistinct, entire beak; stigmas 3. Female scales brown, as wide but shorter than the perigynia; upper sometimes awn-tipped. Achene 3-sided, smaller than the wrinkled perigynium (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### Habitat

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Fellfields, turf; alpine (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Different-nerve Sedge - *Carex epapillosa*

[http://FieldGuide.mt.gov/detail\\_PMCYP035X3.aspx](http://FieldGuide.mt.gov/detail_PMCYP035X3.aspx)



**Global Rank:** G5TNR  
**State Rank:** S4S5

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

### General Description

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Caespitose. Stems erect, 20–70 cm. Leaves basal and lower-cauline; blades 3–6 mm wide. Inflorescence of 3 to 6 short-pedunculate, erect to ascending spikes forming a loose cluster. Spikes 1–2 cm long, all similar; male flowers basal on uppermost spike, otherwise all female. Perigynia erect, coppery with green glabrous margins, elliptic to obovate, 3–4 mm long; the beak 0.3–0.5 mm long; stigmas 3. Female scales blackish, often with thin, hyaline margins, lanceolate, much narrower than the perigynia. Achene 3-sided, much smaller than the perigynium (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### Habitat

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Moist meadows, turf; subalpine, alpine (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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# Thread-leaved Sedge - *Carex filifolia*

[http://FieldGuide.mt.gov/detail\\_PMCYP034N0.aspx](http://FieldGuide.mt.gov/detail_PMCYP034N0.aspx)



**Global Rank:** G5  
**State Rank:** S5

## **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

## **General Description**

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Densely caespitose. Stems erect, 4–30 cm with old leaf sheaths at the base. Leaves basal and lower-cauline; blades ca. 0.5 mm wide. Inflorescence a solitary bractless spike. Spike narrow, 1–2 cm long; male flowered portion 5–10 mm long; female flowers below. Perigynia obovoid, 3–4 mm long, brown and white, puberulent with a beak =0.5 mm long; stigmas 3. Female scales suborbicular, brown with pale margins, hiding the perigynia. Achene 3-sided, filling the perigynium (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

Our plants are variety *filifolia*.

## **Habitat**

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Often sandy or gravelly soil of grasslands, sagebrush steppe, pine woodlands; plains, valleys(Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Yellow Sedge - *Carex flava*

[http://FieldGuide.mt.gov/detail\\_PMCYP034T0.aspx](http://FieldGuide.mt.gov/detail_PMCYP034T0.aspx)



**Global Rank:** G5  
**State Rank:** S4S5

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

### General Description

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Caespitose. Stems erect, 10–60 cm. Leaves basal and cauline; blades 2–4 mm wide. Inflorescence of 3 to 6 ascending, separate spikes; the lowest bract longer than the inflorescence. Spikes: the uppermost male, 8–17 mm long; the lower female, 8–15 mm long, ellipsoid, short-pedunculate. Perigynia spreading to reflexed, green to yellow, ovoid, glabrous, 4–5 mm long with a distinct, gently curved beak 1.5–2.5 mm long; stigmas 3. Female scales lanceolate, coppery with a green midvein, smaller than the perigynia. Achene 3-sided, nearly filling the perigynium (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### Habitat

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Wet, often gravelly or peaty soil of meadows, lake shores streambanks, fens; valleys, montane (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Bronze Sedge - *Carex foenea*

[http://FieldGuide.mt.gov/detail\\_PMCYP03080.aspx](http://FieldGuide.mt.gov/detail_PMCYP03080.aspx)



**Status Under Review**

**Global Rank:** G5  
**State Rank:** SU

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

### General Description

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Caespitose. Stems erect, 30–60 cm. Leaves: basal blades absent; cauline blades 1–4 mm wide. Inflorescence of 3 to 8 sessile spikes, well-spaced below. Spikes 8–10 mm long, all similar, all female or male flowers basal. Perigynia ascending, green to pale brown, ovate, thin-margined, 4–5 mm long including the ca. 1 mm long serrulate beak; stigmas 2. Female scales green to light brown with lighter margins, ca. as long as the perigynia. Achene 2-sided, smaller than the perigynium (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### Habitat

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Moist to dry soil of grasslands, meadows, open forest; montane (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Short-leaf Sedge - *Carex fuliginosa*

[http://FieldGuide.mt.gov/detail\\_PMCYP03LH0.aspx](http://FieldGuide.mt.gov/detail_PMCYP03LH0.aspx)



**Status Under Review**

**Global Rank:** G5  
**State Rank:** S3S4

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

### General Description

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Caespitose. Stems erect, 5–20 cm. Leaves basal and cauline; blades 1–4 mm wide. Inflorescence of 3 to 5 pedunculate spikes; the lowest bract shorter or longer than the inflorescence. Spikes 5–17 mm long, lanceolate, similar, the uppermost bisexual with male flowers below; the lower female, ascending to arching. Perigynia ascending, green to black, narrowly lanceolate, glabrous, 3.5 × 0.5–1 mm, tapered to a serrulate beak 1.5 mm long; stigmas 3. Female scales brown to blackish with a pale midstripe, exposing the perigynia beak. Achene 3-sided, nearly filling the perigynium (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### Habitat

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Meadows, turf; upper subalpine, to alpine (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Geyer's Sedge - *Carex geyeri*

[http://FieldGuide.mt.gov/detail\\_PMCYP03540.aspx](http://FieldGuide.mt.gov/detail_PMCYP03540.aspx)



**Global Rank:** G5  
**State Rank:** S5

### **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

### **General Description**

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Branched-rhizomatous, densely caespitose. Stems erect, 10–35 cm, clustered. Leaves: basal bladeless; cauline blades 1–2 mm wide. Inflorescence a solitary bractless spike. Spike narrow, 10–35 mm long; male-flowered portion above, 8–25 mm long; female flowers below, 1 to 3, well-separated. Perigynia ellipsoid with a thick, basal stalk, 5–7 mm long, green to brown, glabrous; stigmas 3. Female scales acuminate, light brown with hyaline margins, hiding the perigynia. Achene 3-sided, filling the perigynium (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### **Habitat**

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Open forests, grasslands, meadows; valleys to alpine (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Alpine Sedge - *Carex glacialis*

[http://FieldGuide.mt.gov/detail\\_PMCYP03570.aspx](http://FieldGuide.mt.gov/detail_PMCYP03570.aspx)



**Status Under Review**

**Global Rank:** G5  
**State Rank:** SNR

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

### General Description

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Caespitose. Stems erect, 2–6 cm. Leaves mainly basal; blades < 1 mm wide. Inflorescence of 2 to 4 overlapping spikes; lower bract inconspicuous. Spikes erect, unisexual; the male terminal, 3–5 mm long; the lower female, short-pedunculate, 3–5 mm long. Perigynia spreading, green to purplish-black, obovoid, glabrous, 2–2.5 mm long with a distinct beak ca. 0.5 mm long, loosely aggregated; stigmas 3. Female scales ovate, purplish-black with a hyaline margin and green midvein, shorter than the perigynia. Achene 3-sided, nearly filling the perigynium (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### Habitat

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Calcareous fellfields on cool upper slopes; alpine (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Pregnant Sedge - *Carex gravida*

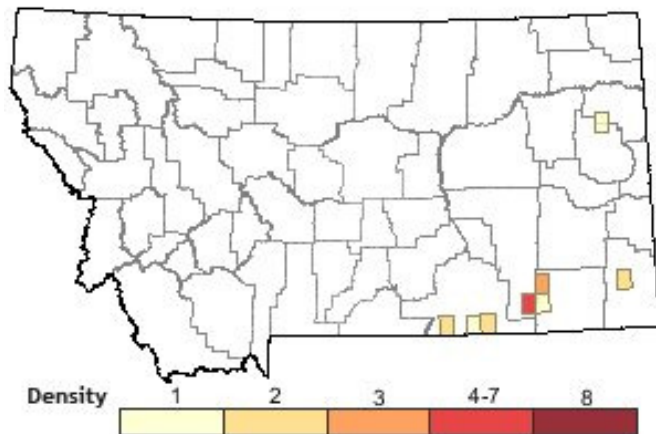
[http://FieldGuide.mt.gov/detail\\_PMCYP035G0.aspx](http://FieldGuide.mt.gov/detail_PMCYP035G0.aspx)



### Species of Concern

**Global Rank:** G5  
**State Rank:** S3

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**



**Number of Observations:** 19

### General Description

Caespitose. Stems erect, 25–75 cm. Leaves basal and cauline; blades 3–7 mm wide; sheaths whitish. Inflorescence of 5 to 12 sessile spikes, clustered into an elongate head; lowest bract shorter than the inflorescence. Spikes 6–9 mm long, all similar; male flowers above; female. Perigynia ascending to spreading, green, broadly ovate, narrowly wing-margined, 3–4.5 × 2–3 mm with a serrulate, bidentate beak, 1–1.5 mm long; stigmas 2. Female scales hyaline to brown with a green midstripe, awned, ca. as long and wide as the perigynia. Achene 2-sided, smaller than the perigynium (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### Habitat

Pregnant sedge is widespread in moist prairie and woodlands in the eastern U.S., but is known only from easternmost Montana, where most localities are in green ash ravines and wooded draws.

In Powder River and Rosebud counties, pregnant sedge grows deep in woody draws under green ash and tall shrub thickets of serviceberry, quaking aspen, and chokecherry. Other associates include *Apocynum androsaemifolium*, *Carex hoodii*, *Carex sprengei*, *Carex torreyi*, *Crataegus columbiana*, *Fraxinus pennsylvanica*, *Poa interior*, *Poa*

*pratensis*, *Rosa woodsii*, *Sanicula marilandica*, *Symphoricarpos occidentalis* and *Viola canadensis*.

In Bighorn Canyon, *C. grvida* grows along Black Canyon Creek, a perennial coldwater stream with an overstory of ponderosa pine, and chokecherry in the understory. Associates there include *Agrimonia striata* and *Toxicodendron rydbergii*.

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# Northern Bog Sedge - *Carex gynocrates*

[http://FieldGuide.mt.gov/detail\\_PMCYP035K0.aspx](http://FieldGuide.mt.gov/detail_PMCYP035K0.aspx)



**Global Rank:** G5  
**State Rank:** S3S4

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

## General Description

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Long-rhizomatous. Stems erect to ascending, 3–20 cm. Leaves mainly basal; blades ca. 0.5 mm wide. Inflorescence a solitary bractless spike. Spike ovoid, 6–15 mm long; male flowers above female (sometimes all female). Perigynia spreading to reflexed at maturity, glabrous, narrowly ovoid, ribbed, 2.5–4 mm long, dark brown, with a distinct, curved, entire beak ca. 0.5 mm long; stigmas 2. Female scales tan-hyaline, shorter but wider than the perigynia. Achene 2-sided, filling the perigynium (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

Lesica (2012) treats this species as *Carex dioica* subspecies *gynocrates* (Wormsk. ex Drejer) Hulten.

## Habitat

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Wet, often calcareous, organic soil of fens, seeps, streambanks; montane, lower subalpine (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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# Hayden's Sedge - *Carex haydeniana*

[http://FieldGuide.mt.gov/detail\\_PMCYP035R0.aspx](http://FieldGuide.mt.gov/detail_PMCYP035R0.aspx)



**Global Rank:** G4G5  
**State Rank:** S4S5

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

## General Description

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Densely caespitose. Stems erect, 8–25 cm. Leaves basal and lower-cauline; blades 1–3 mm wide. Inflorescence of 4 to 7 sessile spikes, densely clustered into a globose to ovoid head; lowest bract inconspicuous. Spikes 6–10 mm long, all similar; female flowers above male. Perigynia ascending, brown, green-edged, ovate, flattened, serrulate, wing-margined, 4.5–6 × 2–3 mm, the beak, 1.5–2.5 mm long, serrulate below, entire above; stigmas 2. Female scales brown sometimes with a pale midstripe, exposing the tip of the perigynia. Achene 2-sided, much smaller than the perigynium (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## Habitat

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Moist to wet, often stony soil of meadows, turf, often where snow lies late; subalpine, alpine (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Hood's Sedge - *Carex hoodii*

[http://FieldGuide.mt.gov/detail\\_PMCYP03650.aspx](http://FieldGuide.mt.gov/detail_PMCYP03650.aspx)



**Global Rank:** G5  
**State Rank:** S4S5

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

### General Description

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Densely caespitose. Stems erect, 20–70 cm. Leaves: basal bladeless; cauline blades 1–3 mm wide. Inflorescence of 4 to 8 sessile spikes, densely clustered into a globose to ovoid head; lowest bract short. Spikes 5–8 mm long, all similar; male flowers above female. Perigynia ascending to spreading, brown with green margins, ovate, narrowly wing-margined, 3.5–5 × 1.5–2 mm; the serrulate beak, bidentate, 1–1.5 mm long; stigmas 2. Female scales brown with a green midstripe and hyaline margins, just shorter and narrower than the perigynia. Achene 2-sided, smaller than the perigynium (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### Habitat

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Grasslands, meadows, open forests; plains, valleys to lower subalpine (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX.).

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## Porcupine Sedge - *Carex hystericina*

[http://FieldGuide.mt.gov/detail\\_PMCYP036D0.aspx](http://FieldGuide.mt.gov/detail_PMCYP036D0.aspx)



**Global Rank:** G5  
**State Rank:** S4

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

### General Description

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Short-rhizomatous. Stems erect, 20–80 cm, loosely tufted. Leaves basal and cauline; blades 3–8 mm wide. Inflorescence of 2 to 5 well-separated spikes; the lowest bract equal to or greater than the inflorescence. Spikes pedunculate, arching to ascending; the terminal male, linear, 1–3 cm long; the lower female, 1–4 cm long, cylindric. Perigynia ascending to reflexed, green to tan, narrowly ovate, veiny, glabrous, 4–6 mm long including a distinct beak, 2–2.5 mm long; stigmas 3. Female scales brown, awn-like, serrulate, narrower and shorter than the perigynia. Achene 3-sided, much smaller than the perigynium (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### Habitat

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Wet meadows, marshes, thickets, often around streams, springs; plains, valleys (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Idaho Sedge - *Carex idahoa*

[http://FieldGuide.mt.gov/detail\\_PMCYP036E0.aspx](http://FieldGuide.mt.gov/detail_PMCYP036E0.aspx)

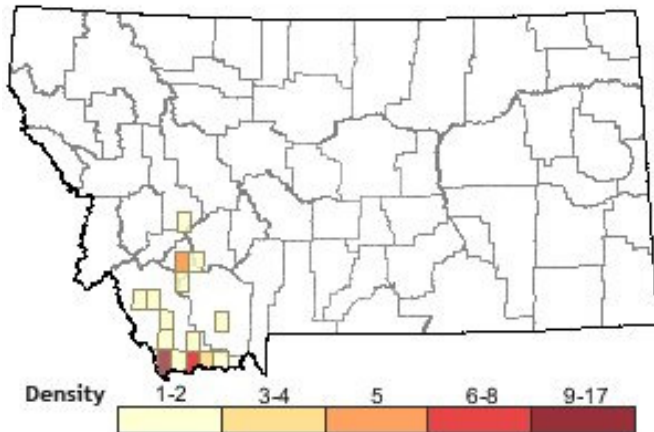


### Species of Concern

**Global Rank:** G2G3  
**State Rank:** S3

### AGENCY STATUS

**USFWS:**  
**USFS:** SENSITIVE  
**BLM:** SENSITIVE



**Number of Observations:** 52

### General Description

Idaho sedge is a rhizomatous perennial producing small clumps of stems that reach 20-35 cm in height. The flat leaves are 2-4 mm in width and most are crowded near the base of the plant. Flowers are borne in 1 to 4 oblong-cylindrical spikes, each 1-3 cm long, with the uppermost being larger than the others. The spikes form a narrow, interrupted head, subtended by small leaf-like bracts at the top of the stems. Male flowers are absent or scattered among the female perigynia on the largest spike. Each perigynium is subtended by a narrowly oval, brown scale 2 to 3 times its length, with a tapered tip, membranous margins and a distinct pale center. The glabrous, egg-shaped perigynia are yellow-green and about 3 mm long, with a short beak. There are 3 stigmas and the seed is 3-sided.

### Habitat

Idaho sedge inhabits moist alkaline meadows, often along streams (Vanderhorst and Lesica 1994). It most often occupies ecotonal areas between wet meadow and sagebrush steppe (Lesica 1998), and appears to be restricted to nearly level sites in the high valleys of southwest Montana. It is commonly found on terraces of headwaters streams above 6000 feet elevation. Small populations may occur at lower elevations or along larger streams. Soils tend to be silty, with high organic content and little or no coarse material (Lesica 1998). Most documented Montana

populations are in areas with calcareous parent material, however a few occupy non-calcareous sites.

The moist, alkaline, streamside meadow habitat of Idaho sedge is typically dominated by graminoids (especially *Deschampsia caespitosa*, *Juncus balticus*, *Carex praegracilis*, *C. nebrascensis*, *C. aquatilis*), with or without *Potentilla fruticosa* (Vanderhorst and Lesica 1994; Lesica 1998). Adjacent steppe vegetation is dominated by *Artemisia tridentata* and/or *A. tripartita*, *Festuca idahoensis* and *Agropyron smithii*. Species most commonly associated with Idaho sedge are (in order of importance) *Juncus balticus*, *C. praegracilis*, *Muhlenbergia richardsonis*, *Aster occidentalis*, *Poa pratensis*, *Taraxacum officinale*, *Potentilla gracilis* and *Antennaria microphylla*. Graminoid cover is high (60-100%), and forb cover low to moderate (5-50%) except in overgrazed areas. Bare ground averages 8% and cover of lichens and bryophytes averages 14% (Lesica 1998).

Idaho sedge consistently occurs in subirrigated soils associated with low-gradient streams or springs and seeps. These soils are wet early in the growing season but are only moist later in the summer. In wetlands where part of the habitat was saline (as indicated by the presence of *Distichlis* and *Puccinellia*), it is usually limited to non-saline areas, although it has been found in salt-encrusted soils (Lesica 1998).

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## Small-head Sedge - *Carex illota*

[http://FieldGuide.mt.gov/detail\\_PMCYP036F0.aspx](http://FieldGuide.mt.gov/detail_PMCYP036F0.aspx)



**Global Rank:** G4G5  
**State Rank:** S4

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

### General Description

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Caespitose. Stems erect, 5–35 cm. Leaves basal and cauline; blades 1–2 mm wide. Inflorescence of 3 to 6 sessile spikes congested in a dense globose head; lowest bract short. Spikes 4–7 mm long, all similar, female flowers above male. Perigynia ascending to spreading, dark brown, lanceolate, thin-margined, 2.5–3.5 × ca. 1 mm including the 0.5 mm long, entire beak; stigmas 2. Female scales ovate, purplish brown, shorter and narrower than the perigynia. Achene 2-sided, nearly filling the perigynium (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### Habitat

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Wet meadows, turf, often along streams or around ponds, lakes; subalpine, alpine (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Coastal Sand Sedge - *Carex incurviformis*

[http://FieldGuide.mt.gov/detail\\_PMCYP036G0.aspx](http://FieldGuide.mt.gov/detail_PMCYP036G0.aspx)



### Species of Concern

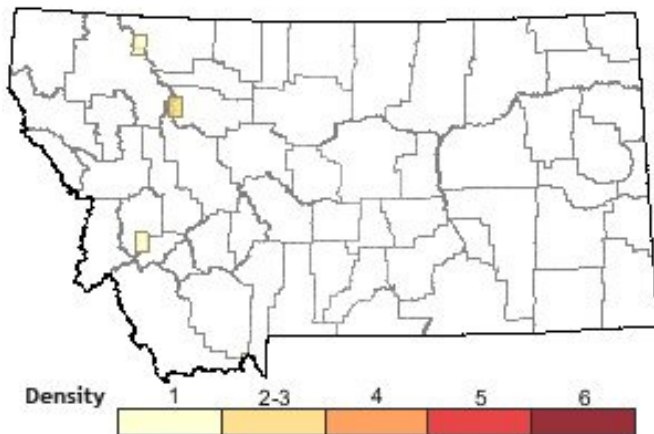
**Global Rank:** G4G5  
**State Rank:** S2?

### AGENCY STATUS

**USFWS:**

**USFS:**

**BLM:**



**Number of Observations:** 6

### General Description

Maritime Sedge is a low, perennial, grass-like plant that forms loose clumps with stems ranging from 2-10 cm high, which arise from creeping rootstocks. The leaves, which are clustered at the base, are as long or longer than the stems and ca. 1 mm wide with inrolled margins. Flowers are borne in 3-5 spikes which are densely clustered together to form a globose head subtended by papery, brown bracts. Inconspicuous male flowers occur at the top of each spike. The egg-shaped, slightly inflated perigynia, 3-5 mm long, have a short beak and spread apart as the fruit matures. The brown scales with light margins are shorter than the perigynia that they subtend. There are 2 styles, and the achene is 2-sided.

### Habitat

Wet rock ledges and moist tundra in the alpine zone.

# Long-stolon Sedge - *Carex inops*

[http://FieldGuide.mt.gov/detail\\_PMCYP036H0.aspx](http://FieldGuide.mt.gov/detail_PMCYP036H0.aspx)



**Global Rank:** G5  
**State Rank:** S5

## **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

## **General Description**

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Rhizomatous. Stems erect, 8–30 cm, tufted. Leaves basal and cauline; blades 1–4 mm wide. Inflorescence of 2 to 3 well-separated sessile spikes; the lowest bract shorter than the inflorescence. Spikes unisexual; the uppermost male, linear, 5–20 mm long; the lower female, ascending, 5–12 mm long, ovoid. Perigynia ascending, greenish, obovoid, short-stalked, pilose, 3–4 mm; the bidentate beak 0.5–1 mm long; stigmas 3. Female scales ovate, awned, tan to brown with a green midstripe and hyaline margins, not completely concealing the perigynia. Achene 3-sided, filling the perigynium (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

Montana plants are variety *heliophila* (Mack.) Crins.

## **Habitat**

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Sandy or stony soil of grasslands, sagebrush steppe, woodlands, forest openings; plains, valleys, montane (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Inland Sedge - *Carex interior*

[http://FieldGuide.mt.gov/detail\\_PMCYP036K0.aspx](http://FieldGuide.mt.gov/detail_PMCYP036K0.aspx)



**Global Rank:** G5  
**State Rank:** S4S5

**AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

### General Description

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Caespitose. Stems erect, 15–50 cm. Leaves basal and cauline; blades 1–2 mm wide. Inflorescence of 3 to 6 sessile, separate spikes; lowest bract inconspicuous. Spikes 3–5 mm long, the uppermost bisexual with male flowers below; lower female spikes sometimes with a few male flowers. Perigynia spreading, green, ovate, 2–3 mm long tapered to the indistinct, serrulate beak, 0.5–1 mm long; stigmas 2. Female scales ovate, hyaline-tan with a green midvein, shorter than the perigynia. Achene 2-sided, filling the perigynium (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### Habitat

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Wet, organic soil of fens, meadows, swamps; valleys, montane (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Jones' Sedge - *Carex jonesii*

[http://FieldGuide.mt.gov/detail\\_PMCYP036R0.aspx](http://FieldGuide.mt.gov/detail_PMCYP036R0.aspx)



**Status Under Review**

**Global Rank:** G5  
**State Rank:** SU

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

### General Description

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Caespitose. Stems erect, 15–30 cm. Leaves clustered near the base; cauline blades 1–3 mm wide. Inflorescence of 5 to 10, sessile spikes, congested in an ovoid head; lowest bract inconspicuous. Spikes ca. 5 mm long, all similar, male flowers above, inconspicuous; female below. Perigynia ascending, lanceolate, convex, veiny, light brown, 3–4 × ca. 1.5 mm; the beak, 1–1.5 mm long, serrulate below, entire above; stigmas 2. Female scales brown with paler margins, as wide but shorter than the perigynia. Achene 2-sided, filling the perigynium (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### Habitat

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Wet meadows often along streams; montane (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Shore Sedge - *Carex kelloggii*

[http://FieldGuide.mt.gov/detail\\_PMCYP037A8.aspx](http://FieldGuide.mt.gov/detail_PMCYP037A8.aspx)



**Global Rank:** G5T5  
**State Rank:** S5

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

### General Description

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Caespitose. Stems prostrate to erect, 10–60 cm. Leaves basal and cauline; blades 1–2 mm wide. Inflorescence of 3 to 6 overlapping to clustered spikes; the lowest bract equal to or greater than the inflorescence. Spikes ascending; the uppermost male or bisexual; the lower female, 1–3 cm long, short-pedunculate, cylindric. Perigynia ascending, green, ovate, few-veined, glabrous, 2–3 mm long with an indistinct beak. Female scales rounded, blackish (rarely light tan) with a pale green midstripe, shorter and narrower than the perigynia. Achene 2-sided, nearly filling the perigynium (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### Habitat

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Wet or vernal wet, often sparsely vegetated soil around streams, lakes, ponds, fens; valleys to subalpine (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Arctic Hare's-foot Sedge - *Carex lachenalii*

[http://FieldGuide.mt.gov/detail\\_PMCYP031T0.aspx](http://FieldGuide.mt.gov/detail_PMCYP031T0.aspx)

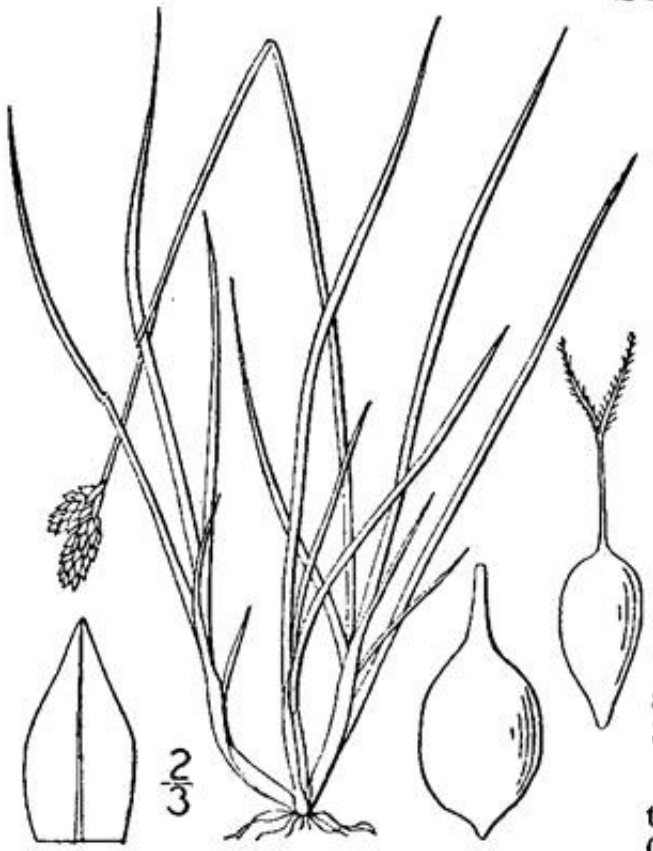
**Global Rank:** G5  
**State Rank:** S4S5

### **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**



**Number of Observations:** 0

### **General Description**

Caespitose in small tufts. Stems erect, 3–20 cm. Leaves mainly basal; blades 1–2 mm wide. Inflorescence of 2 to 4 sessile, clustered spikes; lower bract short. Spikes 5–10 mm long, all similar; female flowers above, male below. Perigynia erect, brown, narrowly oblanceolate, 2.5–3 mm long with an entire beak 0.5–1 mm long; stigmas 2. Female scales ovate, brown with a lighter midvein and hyaline margins, exposing only the beak tip. Achene 2-sided, filling the perigynium (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### **Habitat**

Wet, organic, sometimes shallow soil of turf, rock ledges, streambanks; alpine (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## Lake-bank Sedge - *Carex lacustris*

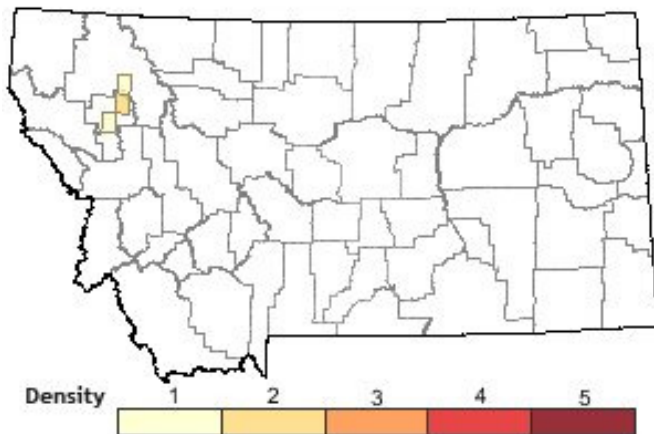
[http://FieldGuide.mt.gov/detail\\_PMCYP036W0.aspx](http://FieldGuide.mt.gov/detail_PMCYP036W0.aspx)



### Species of Concern

**Global Rank:** G5  
**State Rank:** S1S2

**AGENCY STATUS**  
**USFWS:**  
**USFS:** SENSITIVE  
**BLM:**



**Number of Observations:** 4

### General Description

Rhizomatous. Stems erect, 50–80 cm. Leaves basal and cauline; blades 3–12 mm wide. Inflorescence of 5 to 8 short-pedunculate spikes; the lowest bract greater than the inflorescence. Spikes unisexual, erect ascending; the uppermost 1 to 4 male, narrow, 2–3 cm long; the lower female, 2–6 cm long, cylindric. Perigynia ascending, green, broadly lanceoloid, inflated, glabrous, 5–7 mm long tapered to an indistinct beak ca. 1 mm long; stigmas 3. Female scales acute to acuminate, tan with a pale midstripe and margins, awned, smaller than the perigynia. Achene 3-sided, much smaller than the perigynium (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### Habitat

Marshes and fens.



# Smooth-cone Sedge - *Carex laeviconica*

[http://FieldGuide.mt.gov/detail\\_PMCYP036X0.aspx](http://FieldGuide.mt.gov/detail_PMCYP036X0.aspx)



**Status Under Review**

**Global Rank:** G4G5  
**State Rank:** SNR

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

## General Description

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Rhizomes deep. Stems erect, 30–100 cm, tufted. Leaves: basal and cauline; blades 3–6 mm wide; sheaths glabrous. Inflorescence of 4 to 9 well-separated spikes; the lowest bract equal to or greater than the inflorescence. Spikes ascending; the uppermost 2 to 4 male, linear; the lower female, 3–7 cm long, pedunculate, cylindric. Perigynia ascending, yellowish-green, lanceolate, veiny, glabrous, 5–8 mm long including a deeply divided beak, 3–5 mm long; stigmas 3. Female scales tan, lanceolate, awn-tipped, narrower and ca. as long as the perigynia. Achene 3-sided, smaller than the perigynium (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## Habitat

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Wet meadows, often around ponds; plains (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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# Smooth-stem Sedge - *Carex laeviculmis*

[http://FieldGuide.mt.gov/detail\\_PMCYP036Y0.aspx](http://FieldGuide.mt.gov/detail_PMCYP036Y0.aspx)



**Global Rank:** G5  
**State Rank:** S4

## **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

## **General Description**

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Densely caespitose. Stems erect, 15–70 cm. Leaves basal and cauline; blades 1–2 mm wide. Inflorescence of 3 to 6 sessile, well-separated spikes; lowest bract shorter than the inflorescence. Spikes 4–6 mm long, all similar; female flowers above, male below. Perigynia ascending, green, ovate, 2.5–3.5 mm long tapered to the weakly serrulate beak, 0.5–1 mm long; stigmas 2. Female scales ovate, white to tan with a green midvein, shorter but as wide as the perigynia. Achene 2-sided, filling the perigynium (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## **Habitat**

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Wet meadows, thickets, forest openings; montane, lower subalpine (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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# Slender Sedge - *Carex lasiocarpa*

[http://FieldGuide.mt.gov/detail\\_PMCYP03720.aspx](http://FieldGuide.mt.gov/detail_PMCYP03720.aspx)



**Global Rank:** G5  
**State Rank:** S4

## **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

## **General Description**

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Rhizomatous. Stems erect, 30–90 cm, loosely tufted. Leaves: basal bladeless; cauline blades 1–2 mm wide, inrolled. Inflorescence of 3 to 4 well-separated sessile spikes; the lowest bract leaflike, ca. as long as the inflorescence. Spikes unisexual, ascending; the uppermost 1 or 2 male, linear, 2–4 cm long; the lower female, 1–3 cm long, cylindrical. Perigynia ascending, purplish, ovoid, pilose, 3–4 mm; the beak 0.5–1 mm long with spreading teeth; stigmas 3. Female scales lanceolate, short-awned, purple with a pale midstripe, longer or shorter than the perigynia. Achene 3-sided, smaller than the perigynium (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

Our plants are variety *americana* Fernald.

## **Habitat**

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Saturated, organic soil, often forming near monocultures in fens; valleys to lower subalpine (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Sierran Hare Sedge - *Carex leporinella*

[http://FieldGuide.mt.gov/detail\\_PMCYP037D0.aspx](http://FieldGuide.mt.gov/detail_PMCYP037D0.aspx)



**Global Rank:** G5  
**State Rank:** S4

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

### General Description

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Densely caespitose. Stems erect, 5–30 cm. Leaves: basal and cauline; blades 1–2 mm wide. Inflorescence of 3 to 8 sessile spikes, loosely aggregated in an ovoid head; lowest bract shorter than the inflorescence. Spikes 4–8 mm long, all similar; female flowers above male. Perigynia ascending, brown, lanceolate, barely wing-margined, 2.5–4 × <1 mm, the beak, ca. 1 mm long, serrulate below, entire above; stigmas 2. Female scales medium brown with a pale midstripe and hyaline margins, hiding the perigynia. Achene 2-sided, barely smaller than the perigynium (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### Habitat

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Moist meadows, turf, often on cool slopes; subalpine, alpine (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Bristly-stalk Sedge - *Carex leptalea*

[http://FieldGuide.mt.gov/detail\\_PMCYP037E0.aspx](http://FieldGuide.mt.gov/detail_PMCYP037E0.aspx)



**Global Rank:** G5  
**State Rank:** S4

### **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

### **General Description**

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Finely rhizomatous. Stems prostrate to ascending, 5–40 cm, tufted. Leaves basal and lower-cauline; blades <1 mm wide. Inflorescence a solitary bractless spike. Spike narrow, 4–7 mm long; male flowered portion above, 1–2 mm long; female flowers below, few. Perigynia narrowly elliptic, veiny, thick-stalked, 1.5–2.5 mm long, green, beakless; stigmas 3. Female scales green to tan, awn-tipped, shorter than the perigynia. Achene 3-sided, nearly filling the perigynium (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### **Habitat**

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Often calcareous fens, thickets, wet spruce or cedar forests, often on hummocks; valleys, montane (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Short-scaled Sedge - *Carex leptopoda*

[http://FieldGuide.mt.gov/detail\\_PMCYP037G0.aspx](http://FieldGuide.mt.gov/detail_PMCYP037G0.aspx)



**Status Under Review**

**Global Rank:** G5

**State Rank:** SU

**AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

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## Mud Sedge - *Carex limosa*

[http://FieldGuide.mt.gov/detail\\_PMCYP037K0.aspx](http://FieldGuide.mt.gov/detail_PMCYP037K0.aspx)



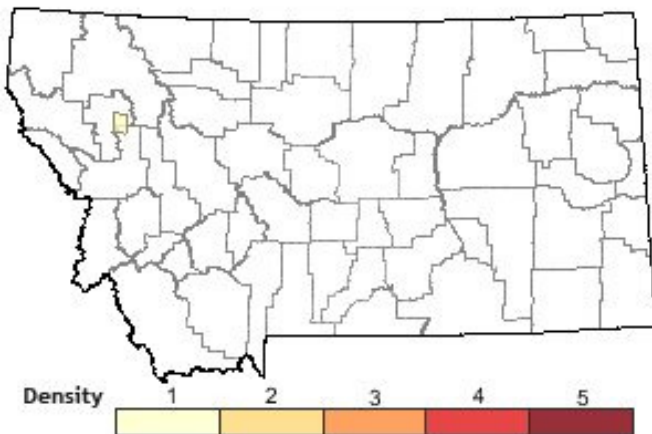
**Global Rank:** G5  
**State Rank:** S3S4

### **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**



**Number of Observations:** 1

### **General Description**

Long-rhizomatous with yellow roots. Stems erect, 12–40 cm. Leaves: basal bladeless; cauline blades 0.5–2 mm wide. Inflorescence of 2 or 3 well-separated spikes; the lowest bract shorter than the inflorescence. Spikes mostly unisexual; the uppermost male, linear, 10–35 mm long; the lower female, arching-pedunculate, 8–25 mm long, cylindric. Perigynia ascending, green to tan, elliptic, glabrous, 2–4 mm with a tiny beak; stigmas 3. Female scales ovate, coppery, acute to apiculate, ca. as long as the perigynia. Achene 3-sided, nearly filling the perigynium (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### **Habitat**

Wet, organic soils of fens in the montane zone.

## Pale Sedge - *Carex livida*

[http://FieldGuide.mt.gov/detail\\_PMCYP037L0.aspx](http://FieldGuide.mt.gov/detail_PMCYP037L0.aspx)



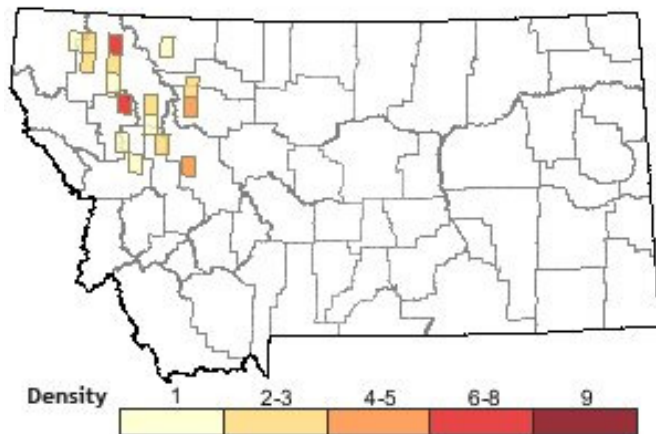
**Global Rank:** G5  
**State Rank:** S4

### **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**



**Number of Observations:** 50

### **General Description**

Pale Sedge occurs in small clumps arising from long, slender rhizomes, and has flowering stems up to 20 cm tall. Leaves are clustered on the lower third of the stem and have a thin pale-bluish waxy coating; they are 1-4 mm wide with long, pointed tips. The inflorescence consists of 2-3, or sometimes 4, loosely clustered spikes. The narrow terminal spike is 7-30 mm long and either is composed entirely of male flowers or has several fruits borne at the top. The lower spikes are composed entirely of female flowers and are borne on short stalks; the uppermost leaf (bract) just below the lowest spike usually exceeds the uppermost spike. Scales that make up the spikes are light or dark brown in color with a green midvein. The perigynia are 2-4 mm long, pale green and glabrous, and elliptic or ovate in outline with a short beak at the tip; the enclosed seed is triangular in cross-section.

### **Habitat**

Wet, organic soils of fens in the foothill and montane zones.



# Woodrush Sedge - *Carex luzulina*

[http://FieldGuide.mt.gov/detail\\_PMCYP037X0.aspx](http://FieldGuide.mt.gov/detail_PMCYP037X0.aspx)



**Global Rank:** G5  
**State Rank:** S5

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

## General Description

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Caespitose. Stems erect, 15–70 cm. Leaves basal and cauline; blades 3–8 mm wide. Inflorescence of 2 to 5 ascending spikes; the lowest bract shorter than the inflorescence. Spikes: the uppermost male or bisexual with male flowers below, 1–3 cm long; the lower female, 10–25 mm long, pedunculate, cylindric. Perigynia ascending, green to purple, narrowly lanceolate, glabrous or sparsely setose above, 3.5–4.5 mm long with an entire, indistinct beak ca. 1 mm long; stigmas 3. Female scales purplish to black sometimes with a pale midstripe, shorter and ca. as wide as the perigynia (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

In Montana we have varieties *ablata* (L.H. Bailey) F. J. Herm. and *atropurpurea* Dorn.

## Habitat

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Moist to wet meadows; montane, subalpine (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Woodrush Sedge - *Carex luzulina* var. *ablata*

[http://FieldGuide.mt.gov/detail\\_PMCYP037X1.aspx](http://FieldGuide.mt.gov/detail_PMCYP037X1.aspx)



**Global Rank:** G5T4T5  
**State Rank:** S4

### **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

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# Black and Purple Sedge - *Carex luzulina* var. *atropurpurea*

[http://FieldGuide.mt.gov/detail\\_PMCYP037X2.aspx](http://FieldGuide.mt.gov/detail_PMCYP037X2.aspx)



**Global Rank:** G5T3  
**State Rank:** S4

## AGENCY STATUS

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

## General Description

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This is a perennial plant with clumped stems reaching 15-60 dm in height. Leaves are crowded near the base with flat blades that are 2-4 mm wide. The lower spikes are pistillate, 1-3 cm long, and are borne on erect stalks. Scales of the pistillate spikes are blackish or brownish-purple and pointed at the tip; the perigynia are pubescent with three stigmas and develop into three-sided achenes. The terminal spike is staminate, at least at the top.

## Habitat

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Subalpine wet meadows and streamsides.

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## Falkland Island Sedge - *Carex macloviana*

[http://FieldGuide.mt.gov/detail\\_PMCYP03800.aspx](http://FieldGuide.mt.gov/detail_PMCYP03800.aspx)



**Global Rank:** G5  
**State Rank:** S4S5

### **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

### **General Description**

Densely caespitose. Stems erect, 10–25 cm. Leaves basal and cauline; blades 2–4 mm wide. Inflorescence of 3 to 9 sessile spikes, densely clustered into a globose to ovoid head; lowest bract inconspicuous. Spikes 5–10 mm long, all similar; female flowers above, male below. Perigynia erect to ascending, green to shiny bronze, ovate, flattened, wing-margined, 3–4 × ca. 1.5 mm, the beak, ca. 1 mm long, serrulate below, entire above; stigmas 2. Female scales gold or coppery to shiny brown sometimes with broad, hyaline margins and a pale midstripe, as wide and shorter than the perigynia. Achene 2-sided, smaller than the perigynium (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### **Habitat**

Wet meadows, turf; alpine (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## Poor Sedge - *Carex magellanica*

[http://FieldGuide.mt.gov/detail\\_PMCYP03G30.aspx](http://FieldGuide.mt.gov/detail_PMCYP03G30.aspx)



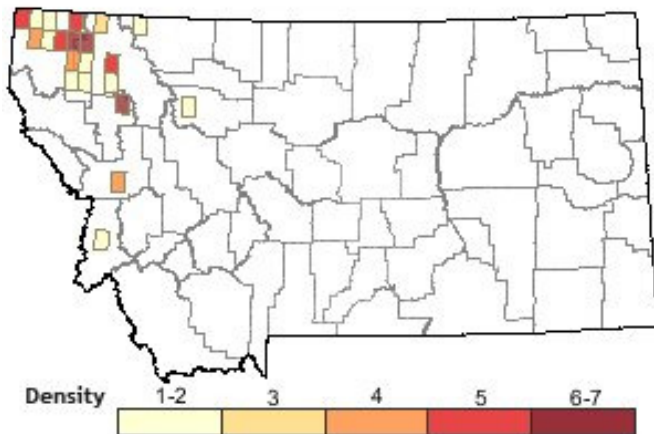
**Global Rank:** G5  
**State Rank:** S4

### **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**



**Number of Observations:** 69

### **General Description**

Poor Sedge is a grass-like perennial that grows in small clusters with flowering stems that are 15-40 cm tall, arising from short or long rhizomes. Roots have a yellowish-brown fuzzy covering. Stems are conspicuously covered at the base with the dried leaves from the previous year. The leaves are mostly flat, 2-4 mm wide, and on the lower half of the stem. The inflorescence consists of a narrow terminal spike of male flowers and usually 2-3 mainly female spikes, the lower of which are nodding on long stalks. The terminal spike is 4-12 mm long and 2-4 mm wide; the lower spikes are 4-22 mm long and 4-8 mm wide, and often have a few male flowers at the base. The bract is slightly longer than the terminal spike. Scales are light or dark brown, often with a greenish midvein. The perigynia are pale green, glabrous, oval in outline, and 2-3 mm long. Each perigynium has 3 stigmas and an achene that is 3-sided.

### **Habitat**

Nutrient-poor fens and bog-like microsites often with Sphnum moss in the montane zone.

## Intermediate Sedge - *Carex media*

[http://FieldGuide.mt.gov/detail\\_PMCYP039D1.aspx](http://FieldGuide.mt.gov/detail_PMCYP039D1.aspx)



**Global Rank:** G5T5?  
**State Rank:** S4

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

### General Description

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Caespitose. Stems erect, 15–50 cm. Leaves basal and lower-cauline; blades 2–3 mm wide. Inflorescence of 3 to 4 short-pedunculate, ascending spikes forming a loose cluster; lowest bract ca. as long as the inflorescence. Spikes 3–10 mm long, all similar; uppermost bisexual with male flowers basal; lower all female. Perigynia erect, green to bronze-tinged, elliptic, 2–2.5 mm long, including the serrulate beak <0.5 mm long; stigmas 3. Female scales blackish, sometimes with thin, pale margins, shorter than the perigynia. Achene 3-sided, nearly filling the perigynium (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### Habitat

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Shores of streams, lakes, wet spruce forest; montane, subalpine (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Merten's Sedge - *Carex mertensii*

[http://FieldGuide.mt.gov/detail\\_PMCYP038E0.aspx](http://FieldGuide.mt.gov/detail_PMCYP038E0.aspx)



**Global Rank:** G5  
**State Rank:** S5

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

### General Description

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Caespitose. Stems erect to ascending, 40–80 cm. Leaves basal and cauline; blades 3–8 mm wide. Inflorescence of 5 to 10 overlapping, pedunculate, arching spikes; lowest bract longer than the inflorescence. Spikes cylindric, 1–4 cm long, bisexual all similar; male flowers few, basal; uppermost spike sometimes mostly male. Perigynia erect, green to tan, elliptic, 2.5–4.5 mm long, glabrous, flattened with a tiny beak; stigmas 3. Female scales lanceolate, blackish with a light midvein, shorter and narrower than the perigynia. Achene 3-sided, much smaller than the perigynium (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### Habitat

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Thickets, moist forest, often along streams, lakes, roads; montane, subalpine (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Few-seeded Bog Sedge - *Carex microglochin*

[http://FieldGuide.mt.gov/detail\\_PMCYP038K0.aspx](http://FieldGuide.mt.gov/detail_PMCYP038K0.aspx)



**Global Rank:** G5?  
**State Rank:** SU

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

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## Small-wing Sedge - *Carex microptera*

[http://FieldGuide.mt.gov/detail\\_PMCYP038L0.aspx](http://FieldGuide.mt.gov/detail_PMCYP038L0.aspx)



**Global Rank:** G5  
**State Rank:** S5

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

### General Description

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Densely caespitose. Stems erect, 15–90 cm. Leaves basal and cauline; blades 1–5 mm wide. Inflorescence of 4 to 10 sessile spikes densely clustered into a globose to ovoid head; lowest bract scale-like. Spikes 4–10 mm long, all similar; female flowers above male. Perigynia ascending, green to brown, narrowly ovate, flattened, wing-margined,  $3\text{--}4.5 \times 1\text{--}1.5$  mm, the beak, 1–1.5 mm long, serrulate below, entire above; stigmas 2. Female scales brown sometimes with a pale midstripe and margins, shorter but nearly as wide as the perigynia. Achene 2-sided, much smaller than the perigynium (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### Habitat

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Moist to wet meadows, grasslands, shores of streams, lakes, occasionally open forest, pastures; valleys to alpine (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Many-ribbed Sedge - *Carex multicostata*

[http://FieldGuide.mt.gov/detail\\_PMCYP038Y0.aspx](http://FieldGuide.mt.gov/detail_PMCYP038Y0.aspx)



### Species of Concern

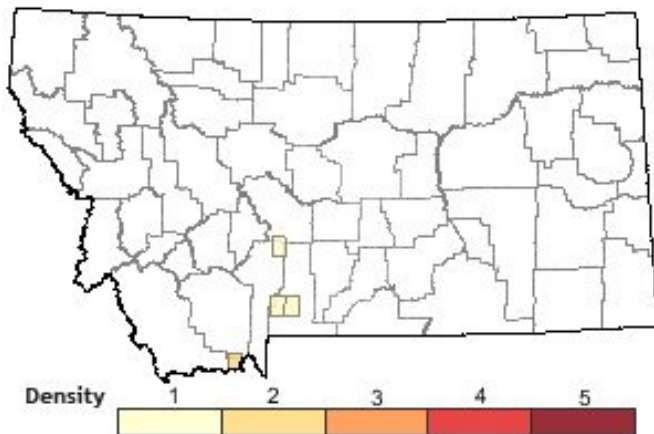
**Global Rank:** G5  
**State Rank:** S2S3

### AGENCY STATUS

**USFWS:**

**USFS:**

**BLM:**



**Number of Observations:** 5

### General Description

Many-ribbed Sedge is a perennial, grass-like plant that forms small to large clumps with stems reaching up to 6 dm high that have basal leaves which are reduced to scales. The flat leaves are 2-4 mm wide and crowded just above those that are reduced. Flowers are clustered in egg-shaped spikes, 6-10 mm long; the female flowers (perigynia) occupy most of the spike, but there are a few inconspicuous male flowers at the base. Spikes are aggregated into a head at the top of the stem and subtended by 2-3 inconspicuous bracts. Scales subtending each perigynia are membranous and brownish with a thickened midrib and slightly shorter and narrower than the perigynia. Green to brownish perigynia are lance-shaped and 4-6 mm long with a gently tapered tip that is entire-margined, deeply cleft, and round in cross-section at the tip. There are 10 or more nerves on the convex outer face of the perigynia. There are 2 stigmas, and the seed is flattened.

### Habitat

Grasslands and meadows in the montane and subalpine zones.

## Nard Sedge - *Carex nardina*

[http://FieldGuide.mt.gov/detail\\_PMCYP03920.aspx](http://FieldGuide.mt.gov/detail_PMCYP03920.aspx)



**Global Rank:** G4G5  
**State Rank:** S4

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

### General Description

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Densely caespitose. Stems erect, 5–15 cm with old leaf sheaths at the base. Leaves mostly basal; blades ca. 0.5 mm wide. Inflorescence a solitary bractless spike. Spike lanceolate, 5–15 mm long; male-flowered portion 2–4 mm long; female flowers below. Perigynia obovate, 3–4 mm long, green to brown, thin-edged, serrulate or ciliate on the margins with a short, entire beak; stigmas 2 or 3. Female scales brown with hyaline margins and a pale midstripe, as wide and long as the perigynia. Achene usually 3-sided, partly to nearly filling the perigynium (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### Habitat

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Stony soil of fellfields, turf; alpine (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Nebraska Sedge - *Carex nebrascensis*

[http://FieldGuide.mt.gov/detail\\_PMCYP03940.aspx](http://FieldGuide.mt.gov/detail_PMCYP03940.aspx)



**Global Rank:** G5  
**State Rank:** S5

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

### General Description

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Rhizomatous. Stems erect, 8–80 cm. Leaves basal and cauline; blades 3–10 mm wide. Inflorescence of 3 to 6 well-separated spikes; the lowest bract equal to or shorter than the inflorescence. Spikes ascending; the uppermost 1 or 2 male; the lower female, 1–5 cm long, pedunculate, cylindric. Perigynia ascending, green to tan, obovate, 5- to 9-veined, glabrous, 2.5–3.5 mm long with a short divided beak. Female scales acuminate, awn-tipped, dark brown with a pale midstripe, longer and narrower than the perigynia. Achene 2-sided, filling the perigynia (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### Habitat

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Wet meadows, marshes, pastures, banks of streams, ponds, tolerant of alkaline and saline soil; plains, valleys, montane (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Nelson's Sedge - *Carex nelsonii*

[http://FieldGuide.mt.gov/detail\\_PMCYP03950.aspx](http://FieldGuide.mt.gov/detail_PMCYP03950.aspx)



**Status Under Review**

**Global Rank:** G3  
**State Rank:** S2?

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

### General Description

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Caespitose. Stems erect, 7–20 cm. Leaves basal and lower-cauline; blades 2–3 mm wide. Inflorescence of (1)2 to 4 sessile spikes forming a tight globose cluster; lowest bract inconspicuous. Spikes 7–10 mm long, bisexual, all similar; male flowers basal. Perigynia ascending, white to green, purple above, papillose, 3–4 × ca. 1.5 mm with a serrulate beak 0.8–1 mm long; stigmas 3. Female scales blackish, ca. as long and wide as the perigynia. Achene 3-sided, smaller than the perigynium (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### Habitat

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Moist meadows, cliffs; alpine (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Alpine Nerved Sedge - *Carex neurophora*

[http://FieldGuide.mt.gov/detail\\_PMCYP03980.aspx](http://FieldGuide.mt.gov/detail_PMCYP03980.aspx)



**Global Rank:** G4  
**State Rank:** S4

### **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

### **General Description**

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Alpine-nerved Sedge is a perennial, grass-like plant with stems, 2-8 dm long, that are clustered on short to elongate rootstocks. The lowest leaves are reduced to scales. Leaves with flat blades, 3-4 mm wide, are crowded just above these scales. Leaf sheaths surrounding the stem just below point of attachment on the side opposite the blade are pale with distinct crossribs. Flowers occur in globose clusters (spikes), which are crowded into an egg-shaped or oblong head at the stem tip. The narrowly lance-shaped female flowers (perigynia), 3-4 mm long, are tapered into an indistinct beak. A few male flowers (recognized by old stamens) occur at the top of each spike. Egg-shaped scales are shorter than the perigynia they subtend and are brown and papery. There are 2 styles, and the achene is lens-shaped.

### **Habitat**

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Typically occurs in moist montane meadow, but also in moist thickets, drier habitats and alpine areas.

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## Black Alpine Sedge - *Carex nigricans*

[http://FieldGuide.mt.gov/detail\\_PMCYP039A0.aspx](http://FieldGuide.mt.gov/detail_PMCYP039A0.aspx)



**Global Rank:** G4G5  
**State Rank:** S4S5

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

### General Description

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Rhizomatous. Stems erect, 10–40 cm. Leaves: basal and cauline; blades 1–3 mm wide. Inflorescence a solitary bractless spike. Spike ovoid, 8–20 mm long; male flowered portion 3–8 mm long; female flowers below. Perigynia ascending, spreading to reflexed at maturity, narrowly lanceolate, brown to purplish above, 2–3 mm long not including the distinct pedicel, tapered to an indistinct, entire beak; stigmas 3. Female scales blackish, concealing the perigynia at first but soon deciduous. Achene 3-sided, smaller than the perigynium (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### Habitat

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Moist meadows, along streams, in depressions; alpine, rarely lower (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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# Scandinavian Sedge - *Carex norvegica*

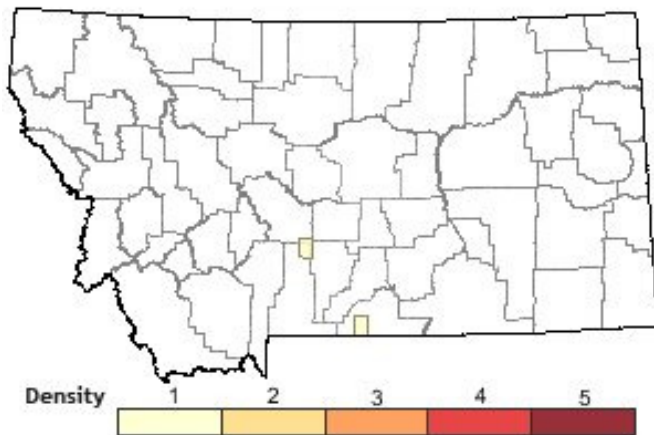
[http://FieldGuide.mt.gov/detail\\_PMCYP039D0.aspx](http://FieldGuide.mt.gov/detail_PMCYP039D0.aspx)



**Status Under Review**

**Global Rank:** G5  
**State Rank:** S3?

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**



**Number of Observations:** 2

## General Description

Caespitose. Stems erect, 5–15 cm. Leaves basal and lower-cauline; blades ca. 2 mm wide. Inflorescence of 2 to 4 short-pedunculate, ascending spikes forming a loose cluster; lowest bract as long or shorter than the inflorescence. Spikes 4 to 10 mm long, all similar; uppermost bisexual with male flowers basal; lower all female. Perigynia erect, bronze below, blackish above, elliptic, ca. 2 mm long, including the serrulate beak <0.5 mm long; stigmas 3. Female scales blackish with pale margins, shorter or equal to the perigynia. Achene 3-sided, nearly filling the perigynium (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## Habitat

Wet soil along streams, seeps; alpine (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).



## Blunt Sedge - *Carex obtusata*

[http://FieldGuide.mt.gov/detail\\_PMCYP039L0.aspx](http://FieldGuide.mt.gov/detail_PMCYP039L0.aspx)



**Global Rank:** G5  
**State Rank:** S4

### **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

### **General Description**

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Rhizomatous. Stems erect, 3–15 cm, solitary. Leaves basal and lower-cauline; blades 0.5–2 mm wide. Inflorescence a solitary bractless spike. Spike narrow, 5–12 mm long; male flowered portion 3–8 mm long; female flowers below, few. Perigynia ovoid, ribbed, 2–3 mm long, purplish, with a distinct, entire, bidentate beak 0.5–1 mm long; stigmas 3. Female scales hyaline with a tan center, apiculate, nearly concealing the perigynia. Achene 3-sided, filling the perigynium (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### **Habitat**

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Mesic grasslands, meadows, turf, fellfields; valleys to alpine, more common lower (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Western Sedge - *Carex occidentalis*

[http://FieldGuide.mt.gov/detail\\_PMCYP039M0.aspx](http://FieldGuide.mt.gov/detail_PMCYP039M0.aspx)



### Species of Concern

**Global Rank:** G4  
**State Rank:** SH

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

### General Description

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Western Sedge has short, creeping rootstocks and forms loose bunches with flowering stems that are sharply triangular and up to 80 cm tall. The leaves are flat with inrolled margins and 103 mm wide. The inflorescence consists of 4-10 spikes, tightly clustered towards the top but more remote at the bottom; each spike is oblong and 15-30 mm long with inconspicuous male flowers at the top. The green to straw-colored perigynia point upward in the spike; they are oblong-elliptic, 2-5 mm long, and mostly concealed by the brownish, ovate-triangular scales that have a white margin and a green center. The lens-shaped achene nearly fills the body of the perigynium.

### Habitat

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Dry habitats in montane zone, extending to spruce-fir habitat and sometimes to subalpine or alpine zones.

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# Thick-head Sedge - *Carex pachystachya*

[http://FieldGuide.mt.gov/detail\\_PMCYP039X0.aspx](http://FieldGuide.mt.gov/detail_PMCYP039X0.aspx)



**Global Rank:** G5  
**State Rank:** S4

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

## General Description

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Densely caespitose. Stems erect, 15–70 cm. Leaves: basal blades absent; cauline blades 2–4 mm wide. Inflorescence of 4 to 12 sessile, spikes, aggregated into an ovoid head. Spikes 4–8 mm long, all similar; female flowers above male. Perigynia ascending, green to brown, ovate, convex, wing-margined, 3–4.5 × 1–2 mm, the beak, 1–1.5 mm long, serrulate below, entire above; stigmas 2. Female scales medium brown with a pale midstripe and hyaline margins, nearly as wide but shorter than the perigynia. Achene 2-sided, a little smaller than the perigynium (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## Habitat

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Coniferous forest openings, moist meadows, often along streams, lakes; valleys to subalpine (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Palish Sedge - *Carex pallescens*

[http://FieldGuide.mt.gov/detail\\_PMCYP03A00.aspx](http://FieldGuide.mt.gov/detail_PMCYP03A00.aspx)



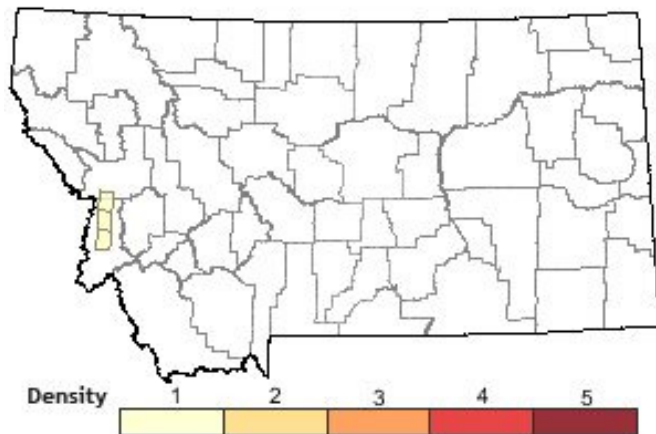
**Global Rank:** G5  
**State Rank:** SU

### **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**



**Number of Observations:** 3

### **General Description**

Palish Sedge is a clumped perennial with flowering stems 15-75 cm high. Leaves are pale green, flat, 2-5 mm wide, and the lower have long, spreading hairs. 3-5 spikes are borne on the top of the stem. The terminal spike is made up of male flowers, and the lateral spikes are thick-cylindrical, 0.5-2.2 cm, on short stalks and made up of female flowers. Scales are acute and about the same length as perigynia. Perigynia are rounded on top, without a beak, and nerveless or faintly nerved. Each perigynium has 3 styles and a lens-shaped achene.

### **Habitat**

Moist woodland margins.

## Parry's Sedge - *Carex parryana*

[http://FieldGuide.mt.gov/detail\\_PMCYP03A30.aspx](http://FieldGuide.mt.gov/detail_PMCYP03A30.aspx)



**Global Rank:** G4  
**State Rank:** S3S4

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

### General Description

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Rhizomatous. Stems erect, 15–40 cm, tufted. Leaves: basal and lower-cauline; blades 2–4 mm wide. Inflorescence of 2 to 4 subsessile, erect, overlapping spikes; lowest bract shorter than the inflorescence. Spikes cylindric; uppermost, male or bisexual with male flowers below, 1–2 cm long; lower all female, 5–20 mm long. Perigynia erect, green to purplish, papillose, ellipsoid, 1.5–2.5 mm long; beak serrulate, <0.5 mm long; stigmas 3. Female scales ovate, brown with a pale midstripe and hyaline margins, concealing the perigynia. Achene 3-sided, filling the perigynium (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### Habitat

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Moist to wet, often alkaline or saline meadows, often along streams; plains, valleys, montane (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Payson's Sedge - *Carex paysonis*

[http://FieldGuide.mt.gov/detail\\_PMCYP03A80.aspx](http://FieldGuide.mt.gov/detail_PMCYP03A80.aspx)



**Global Rank:** G4  
**State Rank:** S4S5

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

### General Description

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Short-rhizomatous. Stems erect, 10–50 cm with dried leaves at the base. Leaves basal and lower-cauline; blades 2–5 mm wide. Inflorescence of 3 to 6, ascending, overlapping spikes; lowest bract shorter than the inflorescence. Spikes: upper 1 or 2 male or bisexual with male flowers above, 10–25 mm long; lower female, short-pedunculate, 5–25 mm long, ovoid to cylindric. Perigynia ascending, whitish below, purplish above, glabrous, flattened, broadly ovate, 2.5–4 × 1.5–2.5 mm with a minute beak; stigmas 3. Female scales lanceolate, blackish with an indistinct midstripe, narrower but as long as the perigynia. Achene 3-sided, much smaller than the perigynium (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### Habitat

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Moist to wet meadows, turf, often where snow lies late; subalpine, alpine, more common higher (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Woolly Sedge - *Carex pellita*

[http://FieldGuide.mt.gov/detail\\_PMCYP03710.aspx](http://FieldGuide.mt.gov/detail_PMCYP03710.aspx)



**Global Rank:** G5  
**State Rank:** S4S5

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

### General Description

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Rhizomatous. Stems erect, 20–80 cm, tufted. Leaves: basal bladeless; cauline blades 2–5 mm wide, flat. Inflorescence of 3 to 5 well-separated, sessile spikes; the lowest bract greater than the inflorescence. Spikes unisexual, erect to ascending; the uppermost 1 or 2 male, linear; the lower female, 1–4 cm long, cylindric. Perigynia spreading to ascending, green to purplish, ovoid or obovoid, pilose, 3–4 mm long with a beak ca. 1 mm long with spreading teeth ca. 0.5 mm long; stigmas 3. Female scales ovate, purplish with a pale midstripe, acuminate or awned, nearly as long as the perigynia. Achene 3-sided, filling the perigynium (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### Habitat

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Wet mineral soil of wet meadows, marshes, often around streams, ponds; plains, valleys (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Dusky-seed Sedge - *Carex pelocarpa*

[http://FieldGuide.mt.gov/detail\\_PMCYP03AB0.aspx](http://FieldGuide.mt.gov/detail_PMCYP03AB0.aspx)



**Global Rank:** G4G5  
**State Rank:** S4

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

### General Description

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Caespitose. Stems erect, 5–45 cm. Leaves basal and lower-cauline; blades 1–4 mm wide. Inflorescence of 3 to 4, sessile spikes forming a tight globose cluster; lowest bract inconspicuous. Spikes 5–12 mm long, similar; male flowers basal. Perigynia ascending, shiny, purplish with green edges, circular, 2.5–3.5 × 1.5–2 mm with a short, distinct, entire beak; stigmas 3. Female scales blackish, narrower and ca. as long as the perigynia. Achene 3-sided, much smaller than the perigynium (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### Habitat

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Meadows, turf, often along streams; alpine (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Liddon Sedge - *Carex petasata*

[http://FieldGuide.mt.gov/detail\\_PMCYP03AE0.aspx](http://FieldGuide.mt.gov/detail_PMCYP03AE0.aspx)



**Global Rank:** G5  
**State Rank:** S4S5

**AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

### General Description

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Densely caespitose. Stems erect, 15–60 cm. Leaves: basal blades absent; cauline blades 2–3 mm wide. Inflorescence of 3 to 6 sessile overlapping spikes; lowest bract inconspicuous. Spikes 8–18 mm long, all similar; bisexual; female flowers above male. Perigynia erect, green to tan, narrowly ovate, flattened, wing-margined, 5.5–7 × 2–2.5 mm, tapered to the indistinct beak, 1.5–2 mm long, serrulate below, entire above; stigmas 2. Female scales light brown with a pale midvein, concealing the perigynia. Achene 2-sided, smaller than the perigynium (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### Habitat

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Moist grasslands, meadows; valleys to subalpine (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Rock Sedge - *Carex petricosa*

[http://FieldGuide.mt.gov/detail\\_PMCYP03AF0.aspx](http://FieldGuide.mt.gov/detail_PMCYP03AF0.aspx)



### Species of Concern

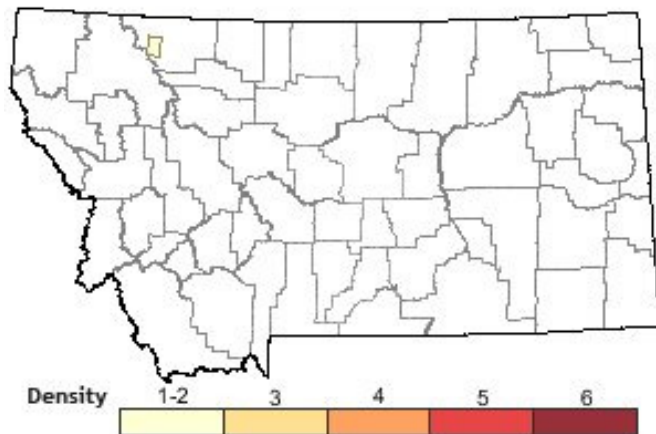
**Global Rank:** G4  
**State Rank:** S1S2

#### AGENCY STATUS

**USFWS:**

**USFS:**

**BLM:**



**Number of Observations:** 2

### General Description

Rock Sedge is a perennial, grass-like plant with 1-3 dm high stems that are loosely clustered on short to elongate rhizomes or stolons. The lowest leaves are reduced to scales. Leaves with flat blades, 2-3 mm wide, are crowded just above these scales. Flowers are borne in 3-5 short, cylindrical spikes on erect or ascending stalks arising from the axils of short, narrow, leaf-like bracts at the top of the stem. The uppermost spike has male flowers above and perigynia below. The lower spikes are all female. Lance-shaped perigynia lack a beak and are 4-6 mm long and ca. 1.5 mm wide. Scales are purplish black with a lighter center and are shorter than the perigynia they subtend. There are 3 styles and the achene is 3-sided.

### Habitat

Dry, calcareous barrens, cliffs, and talus slopes in the alpine or subalpine zones.

# Mountain Hare Sedge - *Carex phaeocephala*

[http://FieldGuide.mt.gov/detail\\_PMCYP03AG0.aspx](http://FieldGuide.mt.gov/detail_PMCYP03AG0.aspx)



**Global Rank:** G5  
**State Rank:** S5

## **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

## **General Description**

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Densely caespitose. Stems erect, 5–40 cm. Leaves: basal and cauline; blades 1–2 mm wide. Inflorescence of 2 to 5 sessile spikes, aggregated in an ovoid to elongate head; the lower just overlapping; lowest bract inconspicuous. Spikes 5–12 mm long, all similar; female flowers above, male below. Perigynia ascending, brown, usually with green margins, narrowly elliptic, wing-margined,  $3-5.5 \times 1.5-2$  mm, the indistinct beak, ca. 1 mm long, serrulate below, entire above; stigmas 2. Female scales tan to brown with a pale midstripe and hyaline margins, concealing the perigynia. Achene 2-sided, smaller than the perigynium (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## **Habitat**

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Dry to moist, stony soil of meadows, turf, fellfields, open forest, cliffs; subalpine, alpine (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Goose-grass Sedge - *Carex plectocarpa*

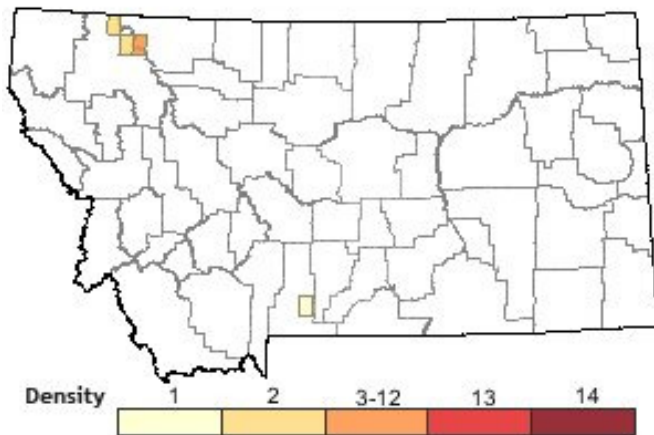
[http://FieldGuide.mt.gov/detail\\_PMCYP03LQ0.aspx](http://FieldGuide.mt.gov/detail_PMCYP03LQ0.aspx)



### Species of Concern

**Global Rank:** G3  
**State Rank:** S3

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**



**Number of Observations:** 17

### General Description

*Carex plectocarpa* is a tufted sedge which forms clumps up to 25 cm in diameter, with stems that are 8-30 cm tall. Basal leaves are 10-18 cm long and ca. 3 mm wide; stem leaves can be shorter. Dried leaves from the previous year persist at the base of the plant. Flowering stems are usually nodding or more often prostrate on the ground, and the inflorescence consists of 3-4 oblong spikes in a terminal cluster. Each spike is about 15 mm long and 5 mm wide. The lower spikes have only female flowers, but the uppermost spike has male flowers on the bottom half. The spikes usually appear dark brown, but they may be almost completely green. Perigynia are green with purple spots toward the tip, but are mostly hidden by the purplish or dark brown bracts.

### Habitat

Shallow, wet, stony soil around streams in the alpine zone.

# Short-stalk Sedge - *Carex podocarpa*

[http://FieldGuide.mt.gov/detail\\_PMCYP03AV0.aspx](http://FieldGuide.mt.gov/detail_PMCYP03AV0.aspx)



**Global Rank:** G4G5  
**State Rank:** S4

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

## General Description

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Short-rhizomatous. Stems erect, 15–60 cm tufted. Leaves: basal leaves bladeless; cauline blades 1–3 mm wide. Inflorescence of 3 to 5, well separated spikes; lowest bract ca. as long as the inflorescence. Spikes: uppermost male, 7–25 mm long; lower female, pedunculate, ovoid to cylindric, ascending to arching, 1–3 cm long. Perigynia ascending, purplish-brown, glabrous, flattened, narrowly ovate, 4–5 × 1.5–2 mm with a beak 0.5–1 mm long; stigmas 3. Female scales lanceolate, acute, mostly solid purplish-black, as long but narrower than the perigynia. Achene 3-sided, much smaller than the perigynium (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## Habitat

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Wet meadows, rock ledges, especially near streams; subalpine, lower alpine (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Teacher's Sedge - *Carex praeceptorum*

[http://FieldGuide.mt.gov/detail\\_PMCYP03H40.aspx](http://FieldGuide.mt.gov/detail_PMCYP03H40.aspx)



**Global Rank:** G4G5  
**State Rank:** S4

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

### General Description

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Caespitose in small tufts. Stems erect, 7–30 cm. Leaves basal and cauline; blades 1–3 mm wide. Inflorescence of 3 to 5 sessile, overlapping to clustered spikes; lower bract short. Spikes 4–8 mm long, all similar; female flowers above male. Perigynia ascending, green, ovate, 1.5–2 mm long with an indistinct, slightly serrate beak <0.5 mm long; stigmas 2. Female scales medium brown with a lighter midvein and hyaline margins, shorter but as wide as the perigynia. Achene 2-sided, filling the perigynium (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### Habitat

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Moist to wet meadows, fens; subalpine, alpine (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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# Clustered Field Sedge - *Carex praegracilis*

[http://FieldGuide.mt.gov/detail\\_PMCYP03AY0.aspx](http://FieldGuide.mt.gov/detail_PMCYP03AY0.aspx)



**Global Rank:** G5  
**State Rank:** S4

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

## General Description

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Rhizomatous. Stems erect, 10–70 cm. Leaves: basal bladeless; cauline blades 1–2 mm wide. Inflorescence of 5 to 15 overlapping spikes in an elongate cluster; lowest bract shorter than the inflorescence. Spikes sessile, similar, ascending, ovoid; 5–8 mm long; male flowers above, few; female flowers below; sometimes spikes or inflorescences unisexual. Perigynia erect, narrowly ovate, green to brown, glabrous, 3–4 mm long, tapered to a serrulate beak 1–2 mm long; stigmas 2. Female scales lanceolate, tan with pale margins and midvein, hiding the perigynia. Achene 2-sided, nearly filling the perigynium (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## Habitat

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Moist soil of meadows, woodlands, often around ponds, streams; plains, valleys, montane (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Prairie Sedge - *Carex prairea*

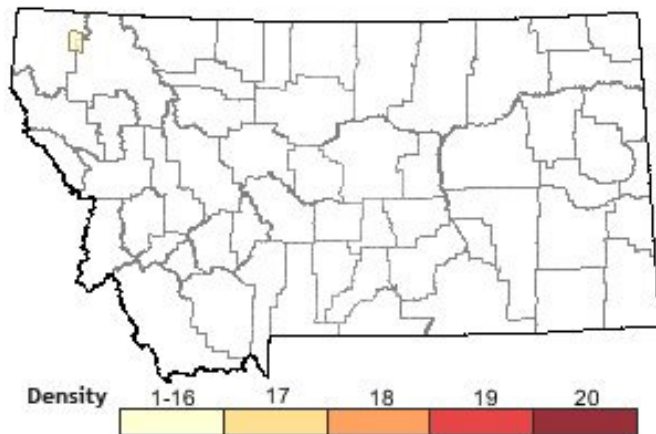
[http://FieldGuide.mt.gov/detail\\_PMCYP03AZ0.aspx](http://FieldGuide.mt.gov/detail_PMCYP03AZ0.aspx)



### Species of Concern

**Global Rank:** G5  
**State Rank:** S3

**AGENCY STATUS**  
**USFWS:**  
**USFS:** SENSITIVE  
**BLM:**



**Number of Observations:** 16

### General Description

Prairie Sedge is a grass-like perennial with stems 50-100 cm tall that form clumps and arise from a short, black rootstock. Stems are sharply triangular in cross section. The lowest leaves are reduced to sheaths with short scales, and the upper leaves have well-developed flat leaf blades that are 2-3 mm wide and 10-30 cm long. The leaf sheaths are red dotted and strongly copper-tinged near the mouth. Bisexual spikes with the male flowers above are borne in somewhat open, often drooping heads that are 3-8 cm long. The scales that cover the perigynia are light reddish brown with translucent margins. The perigynia are 2.5-3.5 mm long and 1.2-1.5 mm wide, straw or brown colored, few nerved (most evident on the back), and taper to a long serrulate beak. Each perigynium has two reddish-brown stigmas that protrude from the opening at the top, and an achene that is lens-shaped.

### Habitat

Rich fen with alluvium derived from calcareous glacial till in the valley zone.



## Northern Meadow Sedge - *Carex praticola*

[http://FieldGuide.mt.gov/detail\\_PMCYP03B20.aspx](http://FieldGuide.mt.gov/detail_PMCYP03B20.aspx)



**Global Rank:** G5  
**State Rank:** S4S5

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

### General Description

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Densely caespitose. Stems erect, 20–60 cm. Leaves: basal blades absent; cauline blades 1–4 mm wide. Inflorescence of 3 to 7 sessile, overlapping spikes, aggregated above, separate below; lowest bract inconspicuous. Spikes ovoid, 5–12 mm long, ascending, all similar; female flowers above, male below. Perigynia ascending, green to tan, lanceolate, flattened, wing-margined,  $3.5\text{--}5.5 \times 1.5\text{--}2$  mm, tapered to the beak, 1.5–2.5 mm long, serrulate below, entire above; stigmas 2. Female scales bronze with a pale midvein and margins, exposing only the tip of the perigynia. Achene 2-sided, a little smaller than the perigynium (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### Habitat

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Moist to wet meadows, moist forest, woodlands; plains, valleys to lower subalpine (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Presl Sedge - *Carex preslii*

[http://FieldGuide.mt.gov/detail\\_PMCYP03B30.aspx](http://FieldGuide.mt.gov/detail_PMCYP03B30.aspx)



**Global Rank:** G4  
**State Rank:** SNR

### **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

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## Pyrenean Sedge - *Carex pyrenaica*

[http://FieldGuide.mt.gov/detail\\_PMCYP03BA0.aspx](http://FieldGuide.mt.gov/detail_PMCYP03BA0.aspx)



**Global Rank:** G4G5  
**State Rank:** S4

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

### General Description

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Caespitose. Stems erect, 3–20 cm with old leaf sheaths at the base. Leaves: basal blades absent; cauline crowded near the base; blades <1 mm wide. Inflorescence a solitary bractless spike. Spike lanceolate, 6–20 mm long; male flowered portion 2–4 mm long; female flowers below. Perigynia ascending, spreading at maturity, lanceolate, green to bronze, 2–2.5 mm long not including the distinct pedicel, tapered to an indistinct, entire beak; stigmas 3. Female scales brown to purple with hyaline margins and an indistinct midstripe, nearly concealing the perigynia at first but eventually deciduous. Achene 3-sided, nearly filling the perigynium (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### Habitat

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Moist to dry, well-drained soil of meadows, fellfields, rocky slopes; alpine, rarely lower (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Raynolds' Sedge - *Carex raynoldsii*

[http://FieldGuide.mt.gov/detail\\_PMCYP03BF0.aspx](http://FieldGuide.mt.gov/detail_PMCYP03BF0.aspx)



**Global Rank:** G5  
**State Rank:** S4S5

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

### General Description

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Caespitose with old leaves at the base. Stems erect, 15–80 cm. Leaves basal and lower-cauline; blades 2–8 mm wide. Inflorescence of 3 to 6 pedunculate to subsessile, ascending, separate to overlapping, oblong to ovoid spikes. Spikes unisexual; terminal spike male, 6–15 mm long; lower female, 1–2 cm long. Perigynia green to yellowish, obovoid, inflated, 3–4 × 1.5–2.5 mm, with a distinct, bidentate beak <0.5 mm long; stigmas 3. Female scales purplish-black, shorter, narrower than the perigynia. Achene 3-sided, smaller than the perigynium (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### Habitat

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Moist grasslands, meadows; montane, subalpine (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Retrorsed Sedge - *Carex retrorsa*

[http://FieldGuide.mt.gov/detail\\_PMCYP03BJ0.aspx](http://FieldGuide.mt.gov/detail_PMCYP03BJ0.aspx)



**Global Rank:** G5  
**State Rank:** S4

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

### General Description

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Rhizomatous. Stems erect, 20–70 cm. Leaves basal and cauline; blades 3–8 mm wide. Inflorescence of 4 to 7 subsessile to pedunculate spikes; the lowest bract much greater than the inflorescence. Spikes unisexual, ascending; the uppermost 1 to 3 male, linear, 1–5 cm long; the lower female, 1–5 cm long, cylindrical, subsessile to short-pedunculate. Perigynia spreading, the lowest reflexed, green to tan, broadly ovate, inflated, glabrous, 6–10 mm long, tapered to a beak 3–5 mm long; stigmas 3. Female scales acuminate, tan with hyaline margins, smaller than the perigynia. Achene 3-sided, much smaller than the perigynium (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### Habitat

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Marshes, margins of streams, ponds; valleys (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Short Sedge - *Carex rossii*

[http://FieldGuide.mt.gov/detail\\_PMCYP03BN0.aspx](http://FieldGuide.mt.gov/detail_PMCYP03BN0.aspx)



**Global Rank:** G5  
**State Rank:** S5

### **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

### **General Description**

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Rhizomatous. Stems erect, 5–40 cm, tufted. Leaves basal and cauline; blades 1–3 mm wide. Inflorescence of 3 to 6 well-separated spikes; the lowest bract longer than the inflorescence. Spikes unisexual; the uppermost male, linear, 3–12 mm long; the lower female, sessile, 3–15 mm long, with well-separated flowers, pedunculate below, sometimes arising from near the base. Perigynia ascending, green, ellipsoid, pilose, 2.5–4 mm; the bidentate beak 0.7–2 mm long; stigmas 3. Female scales often aristate, hyaline-bronze with a green midvein, shorter than the perigynia. Achene 3-sided, filling the perigynium (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### **Habitat**

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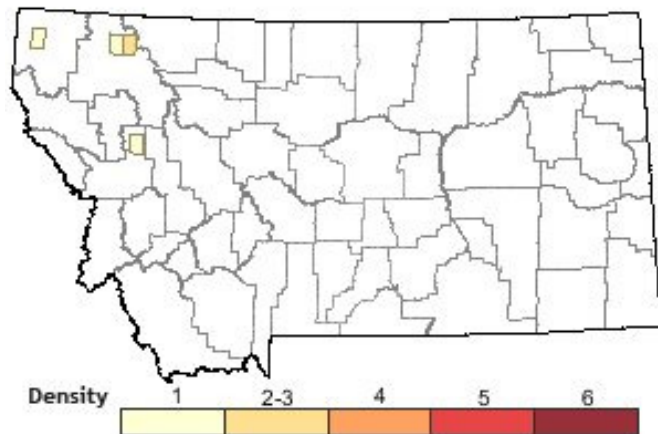
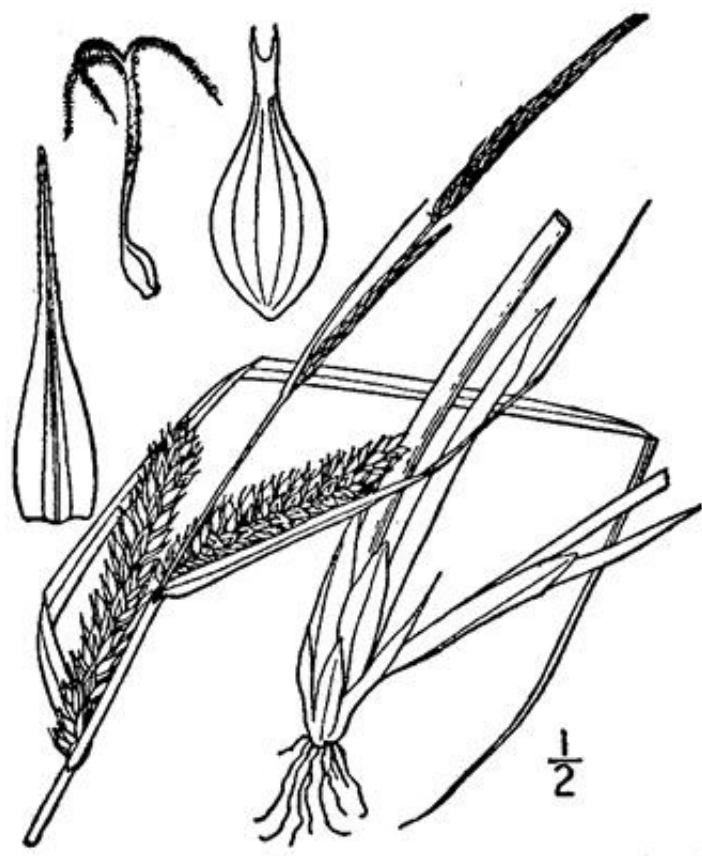
Open forest, grasslands, turf at all elevations (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Glaucus Beaked Sedge - *Carex rostrata*

[http://FieldGuide.mt.gov/detail\\_PMCYP03BP0.aspx](http://FieldGuide.mt.gov/detail_PMCYP03BP0.aspx)



**Number of Observations:** 6

### General Description

Beaked Sedge is a perennial, grass-like plant with a single or several round stems, 5-12 dm tall, which arise from extensive, creeping rhizomes. The leaves are 1-4 mm wide and have dense, microscopic bumps on the upper surface and inrolled margins; they are covered with a whitish, waxy coating that rubs off. Flowers are clustered in cylindrical spikes which are 2-10 cm long and arise on erect to spreading stalks from the axils of the upper leaves (bracts). The lowest bract leaf is as long or longer than the inflorescence. Male flowers are borne in 1-3 narrow spikes at the top, and 3-6 female spikes, ca. 1 cm thick, occur below. The glabrous, inflated, spreading, pale green to light brown, egg-shaped perigynium is 4-7 mm long and has a beak that is 1-2 mm long. The papery scales have needle-like tips and are about as long and broad as the perigynia that they subtend. There are 3 styles, and the achene is 3-sided.

### Habitat

Wet, organic soils of fens in the montane zone, including floating peat mats.

### Species of Concern

**Global Rank:** G5  
**State Rank:** S2S3

**AGENCY STATUS**  
**USFWS:**  
**USFS:** SENSITIVE  
**BLM:**

## Rock Sedge - *Carex rupestris*

[http://FieldGuide.mt.gov/detail\\_PMCYP03BU0.aspx](http://FieldGuide.mt.gov/detail_PMCYP03BU0.aspx)



**Global Rank:** G5  
**State Rank:** S4

### **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

### **General Description**

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Rhizomatous. Stems erect, 2–15 cm, tufted. Leaves mainly basal; blades 1–3 mm wide, curled at the tip. Inflorescence a solitary bractless spike. Spike narrow, 1–2 cm long; male flowered portion usually 5–10 mm long; female flowers below, few. Perigynia narrowly ellipsoid, 2–3.5 mm long, green below, brown above, with a beak =0.5 mm long; stigmas 3. Female scales brown with hyaline margins, mostly concealing the perigynia. Achene 3-sided, nearly filling the perigynium (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### **Habitat**

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Gravelly soil of grasslands, fellfields, turf, often on exposed slopes, ridges; valleys to alpine, more common higher (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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# Sartwell's Sedge - *Carex sartwellii*

[http://FieldGuide.mt.gov/detail\\_PMCYP03C00.aspx](http://FieldGuide.mt.gov/detail_PMCYP03C00.aspx)



**Global Rank:** G4G5  
**State Rank:** S3S4

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

## General Description

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Rhizomatous. Stems erect, 40–100 cm. Leaves: basal bladeless; cauline sheaths, green-stripped opposite the blades that are 2–5 mm wide. Inflorescence of numerous, sessile spikes, congested in an elongate cluster; lowest bract shorter than the inflorescence. Spikes 5–10 mm long, all similar; unisexual or male flowers above female. Perigynia ascending, ovate, brown to green, glabrous, 3–4 mm tapered to the indistinct, serrulate beak, 0.5–1 mm long; stigmas 2. Female scales tan with hyaline margins, shorter than the perigynia (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## Habitat

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Marshes, along streams; valleys to montane (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Russet Sedge - *Carex saxatilis*

[http://FieldGuide.mt.gov/detail\\_PMCYP03C10.aspx](http://FieldGuide.mt.gov/detail_PMCYP03C10.aspx)



**Global Rank:** G5  
**State Rank:** S4

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

### General Description

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Rhizomatous. Stems erect, 20–50 cm. Leaves basal and cauline; blades 1–4 mm wide. Inflorescence of 2 to 4 well-separated spikes; the lowest bract greater than the inflorescence. Spikes unisexual; the upper 1 or 2 male, linear, 8–25 mm long; the lower female, ascending to arching, 1–2 cm long, pedunculate, short-cylindric. Perigynia ascending, tan to brown, elliptic, glabrous, 3–4.5 mm long with a distinct beak =0.5 mm long; stigmas 2 or rarely 3. Female scales ovate, brown to purplish with a pale midvein and margins, shorter than the perigynia. Achene 2- or rarely 3-sided, smaller than the perigynium (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

Montana plants are variety *major* Olney.

### Habitat

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Wet, gravelly or shallow soil on margins of lakes, streams; valleys to subalpine, more common higher (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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# Rocky Mountain Sedge - *Carex saximontana*

[http://FieldGuide.mt.gov/detail\\_PMCYP03C20.aspx](http://FieldGuide.mt.gov/detail_PMCYP03C20.aspx)



**Status Under Review**

**Global Rank:** G5  
**State Rank:** S3?

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

## General Description

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Stems erect, 25–35 cm. Leaves basal and lower-cauline, white-margined, often greater than the inflorescence; blades 2–5 mm wide. Inflorescence of 1 to 4 well-separated spikes; lowest bract greater than the inflorescence. Spikes erect to ascending; all similar, pedunculate, 5–10 mm long, not including the basal female scales; male flowers above, few, inconspicuous. Perigynia 2 to 6, ascending, green, obovoid, papillose, loosely aggregated, 3–4.5 mm long, with a serrulate beak 0.5–1 mm long; stigmas 3. Female scales green, elongate, bract-like below, ovate and shorter above. Achene 3-sided, filling the perigynium (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## Habitat

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Pine forest, deciduous woodlands, thickets; plains (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Bulrush Sedge - *Carex scirpoidea*

[http://FieldGuide.mt.gov/detail\\_PMCYP03C80.aspx](http://FieldGuide.mt.gov/detail_PMCYP03C80.aspx)



**Global Rank:** G5  
**State Rank:** S5

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

### General Description

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Dioecious, rhizomatous. Stems erect, 5–40 cm, tufted. Leaves basal and cauline or basal bladeless; blades 1–3 mm wide. Inflorescence a solitary spike; bract inconspicuous. Spikes unisexual, cylindric, 1–4 cm long. Perigynia ovate to elliptic, sometimes flattened, brown to purple above, pilose, 2.5–4 mm long, with a distinct beak ≈0.5 mm long; stigmas 3. Female scales brown to purple with hyaline margins and a pale midvein, sometimes ciliate or puberulent, concealing the perigynia or nearly so. Achene 3-sided, smaller or nearly filling the perigynium (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

Our plants are subspecies *pseudoscirpoidea* (Rydb.) D.A. Dunlop and *scirpoidea*.

### Habitat

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Dry ridges, fellfields with gravelly non-calcareous soils (subspecies *pseudoscirpoidea*) and calcareous soils (subspecies *scirpoidea*)(Flora N. America, Vol. 23, 2003).

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## Western Single-spike Sedge - *Carex scirpoidea ssp. pseudoscirpoidea*

[http://FieldGuide.mt.gov/detail\\_PMCYP03C85.aspx](http://FieldGuide.mt.gov/detail_PMCYP03C85.aspx)



**Global Rank:** G5T5  
**State Rank:** S4

### **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

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## Northern singlespike sedge - *Carex scirpoidea* ssp. *scirpoidea*

[http://FieldGuide.mt.gov/detail\\_PMCYP03C83.aspx](http://FieldGuide.mt.gov/detail_PMCYP03C83.aspx)



**Global Rank:** G5T5  
**State Rank:** S4

### **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

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- ***Carex scirpoidea ssp. stenochlaena***

[http://FieldGuide.mt.gov/detail\\_PMCYP03C86.aspx](http://FieldGuide.mt.gov/detail_PMCYP03C86.aspx)



**Global Rank:** G5T4T5  
**State Rank:** S4

**AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

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# Pointed Broom Sedge - *Carex scoparia*

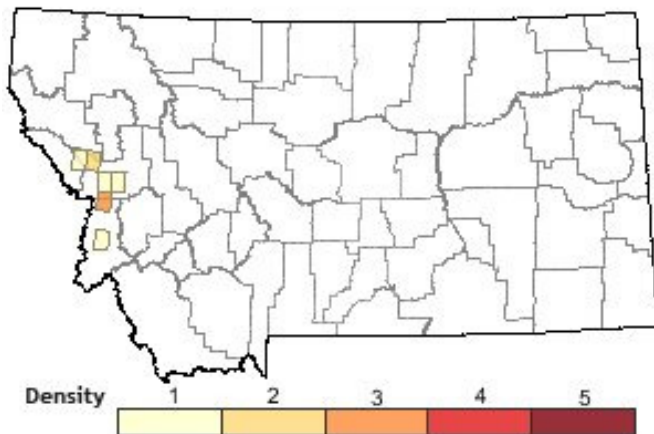
[http://FieldGuide.mt.gov/detail\\_PMCYP03C90.aspx](http://FieldGuide.mt.gov/detail_PMCYP03C90.aspx)



## Species of Concern

**Global Rank:** G5  
**State Rank:** S1S2

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**



**Number of Observations:** 9

## General Description

Pointed Broom Sedge forms dense clumps without rhizomes and has stems 4-10 dm high. The lowermost leaves are reduced to scales. The leaf blades, which are 1-3 mm wide, are flat and clustered just above the scales on the lower stem. Flowers are clustered in 3-8 egg-shaped, stalkless spikes, which are 8-14 mm long and in close proximity to each other at the top of the stem. Male flowers (recognized by the old stamens) occur at the base of each spike. The pale green to light brown egg-shaped perigynia are 4-6 mm long and taper gradually to a poorly-defined beak. The firm scales are light brown with a green center and are smaller than the perigynia that they subtend. There are 2 styles and the achenes are lens-shaped.

## Habitat

Wet soil along rivers and sloughs in the valleys.



# Holm's Rocky Mountain Sedge - *Carex scopulorum*

[http://FieldGuide.mt.gov/detail\\_PMCYP03CA0.aspx](http://FieldGuide.mt.gov/detail_PMCYP03CA0.aspx)



**Global Rank:** G5  
**State Rank:** S5

**AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

## General Description

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Rhizomatous. Stems erect, 8–70 cm. Leaves basal and/or cauline; blades 2–6 mm wide. Inflorescence of 3 to 5 overlapping spikes; the lowest bract shorter than the inflorescence. Spikes ascending to erect; the uppermost male; the lower female, subsessile to short-pedunculate, 8–25 mm long, cylindric. Perigynia erect, green to tan, brown above, lanceolate to suborbicular, veinless, glabrous, papillose, 2–3 mm long with a minute beak. Female scales acute to rounded, almost completely blackish, narrower and subequal to the perigynia. Achene 2-sided, smaller than the perigynium (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

Our plants are varieties *bracteosa* (L.H. Bailey) F.J. Herm. and *prionophylla* (T. Holm) L.A. Standl.

## Habitat

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Wet meadows, thickets, fens (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Mountain Sedge - *Carex scopulorum* var. *bracteosa*

[http://FieldGuide.mt.gov/detail\\_PMCYP03CA1.aspx](http://FieldGuide.mt.gov/detail_PMCYP03CA1.aspx)



**Global Rank:** G5T3T5  
**State Rank:** S4S5

### **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

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## Saw-leaved Sedge - *Carex scopulorum* var. *prionophylla*

[http://FieldGuide.mt.gov/detail\\_PMCYP03CA4.aspx](http://FieldGuide.mt.gov/detail_PMCYP03CA4.aspx)



**Global Rank:** G5T3?  
**State Rank:** S3S4

### **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

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## Dry-spike Sedge - *Carex siccata*

[http://FieldGuide.mt.gov/detail\\_PMCYP034V0.aspx](http://FieldGuide.mt.gov/detail_PMCYP034V0.aspx)



**Status Under Review**

**Global Rank:** G5  
**State Rank:** SNR

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

### General Description

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Rhizomatous. Stems erect, 15–40 cm. Leaves: basal bladeless; cauline blades 1–3 mm wide. Inflorescence of 6 to 12 sessile, loosely aggregated spikes; lowest bract inconspicuous. Spikes all similar, 5–10 mm long, unisexual or bisexual with male flowers above. Perigynia ascending, brown, ovate, 4–6 mm long tapered to the distinct, serrulate, flattened beak, 1–3 mm long; stigmas 2. Female scales brown with a pale midvein and silvery margins, shorter than the perigynia. Achene 2-sided, filling the perigynium (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### Habitat

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Grasslands, open pine forest; valleys, montane (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Copycat Sedge - *Carex simulata*

[http://FieldGuide.mt.gov/detail\\_PMCYP03CH0.aspx](http://FieldGuide.mt.gov/detail_PMCYP03CH0.aspx)



**Global Rank:** G5  
**State Rank:** S4

### **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

### **General Description**

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Rhizomatous. Stems erect, 15–60 cm. Leaves: basal bladeless; cauline blades 1–2 mm wide. Inflorescence of 4 to 12 overlapping spikes in an oblong to ovoid cluster; lowest bract inconspicuous. Spikes sessile, similar, ascending, ovoid, 5–10 mm long; sometimes unisexual or male flowers above few female. Perigynia erect, broadly ovate, brown, shiny, glabrous, ca. 2 mm long with a beak =0.5 mm long; stigmas 2. Female scales ovate, tan with pale margins and midvein, hiding the perigynia. Achene 2-sided, filling the perigynium (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### **Habitat**

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Wet, often organic soil of fens, wet meadows; valleys, montane (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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# Northwestern Showy Sedge - *Carex spectabilis*

[http://FieldGuide.mt.gov/detail\\_PMCYP03CP0.aspx](http://FieldGuide.mt.gov/detail_PMCYP03CP0.aspx)



**Global Rank:** G5  
**State Rank:** S3S4

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

## General Description

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Short-rhizomatous. Stems erect, 20–60 cm, loosely tufted. Leaves basal and cauline; basal leaves sometimes bladeless; cauline blades 3–6 mm wide. Inflorescence of 3 to 6 overlapping spikes; lowest bract shorter than the inflorescence. Spikes: uppermost male 1–2 cm long; lower female, pedunculate, ascending, 1–3 cm long, ovoid to cylindric; lowest sometimes arching. Perigynia ascending, green and purplish, glabrous, flattened, narrowly elliptic, 3.5–4.5 × 1.5–2 mm with a distinct beak ca. 0.5 mm long; stigmas 3. Female scales lanceolate, acuminate, blackish with a pale midvein sometime prolonged into an awn tip, as wide and ca. as long as the perigynia. Achene 3-sided, smaller than the perigynium (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## Habitat

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Moist to wet meadows, turf, forest openings; subalpine, rarely alpine (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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# Longbeak Sedge - *Carex sprengelii*

[http://FieldGuide.mt.gov/detail\\_PMCYP03CT0.aspx](http://FieldGuide.mt.gov/detail_PMCYP03CT0.aspx)



**Global Rank:** G5  
**State Rank:** S3S4

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

## General Description

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Caespitose from short rhizomes. Stems erect, 20–70 cm. Leaves basal and cauline; blades 2–4 mm wide. Inflorescence of 3 to 6 pedunculate spikes; the lowest bract ca. as long as the inflorescence. Spikes: the uppermost male, 10–25 mm long; the lower female, cylindric, arching, 10–35 mm long. Perigynia ascending, green to tan, glabrous, elliptic, 4–6.5 mm long including the distinct beak 1.5–3.5 mm long; stigmas 3. Female scales hyaline-tan with a green or tan midstripe, nearly as long as the perigynia. Achene 3-sided, filling the perigynium (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## Habitat

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Woodlands, open forest, thickets, moist meadows; plains, valleys, montane (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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# Small-winged Sedge - *Carex stenoptila*

[http://FieldGuide.mt.gov/detail\\_PMCYP03CX0.aspx](http://FieldGuide.mt.gov/detail_PMCYP03CX0.aspx)



## Species of Concern

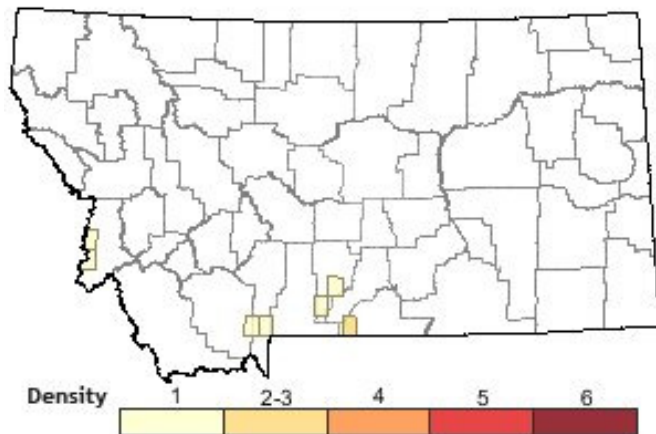
**Global Rank:** G2  
**State Rank:** S2?

## AGENCY STATUS

**USFWS:**

**USFS:**

**BLM:** SENSITIVE



**Number of Observations:** 9

## General Description

Small-winged Sedge forms clumps with stems that are 2-8 dm high and which arise from short rhizomes. The few leaves, 1-4 mm wide, are flat and clustered near the base. Flowers are clustered in 7-10 spikes aggregated into a tight head at the top of the stem. The female perigynia occupy most of the spike, with only a few inconspicuous male flowers (recognized by old stamens) at the base. The light brown perigynia are narrowly lance-shaped and 4-5 mm long, with a gently tapered tip that is entire-margined, deeply cleft, and round in cross-section at the tip. There are 5-7 nerves on the convex outer face of the perigynia. The dark to pale brown scales are smaller than the perigynia that they subtend. There are 2 stigmas. The seed is lens-shaped and fills the body of the perigynium.

## Habitat

Dry, often rocky soil of grasslands and open forests in the montane and subalpine zones, and moist soil along streams in the valleys.



# Steven's Scandinavian Sedge - *Carex stevenii*

[http://FieldGuide.mt.gov/detail\\_PMCYP039D4.aspx](http://FieldGuide.mt.gov/detail_PMCYP039D4.aspx)



## Species of Concern

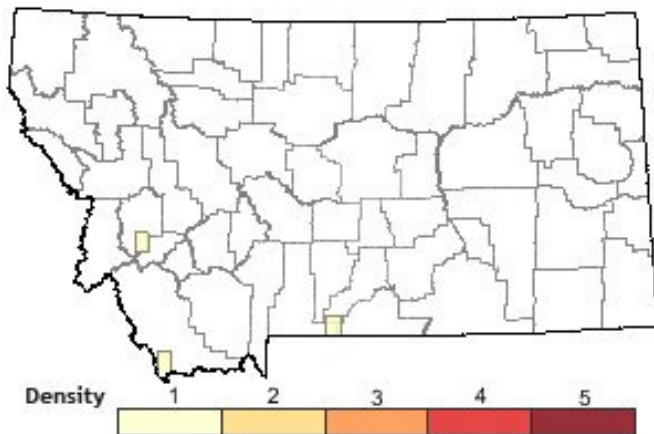
**Global Rank:** G5T4?  
**State Rank:** S2?

## AGENCY STATUS

**USFWS:**

**USFS:**

**BLM:**



**Number of Observations:** 3

## General Description

Steven's Norwegian sedge is a loose clump-forming perennial with flowering stems up to 30 cm tall arising from a slender short-creeping rootstock. Flat, stiff, erect leaves, 2-4 mm wide, are clustered along the bases of the stems, and dried leaves of the previous year are conspicuously retained. The flowering stems are triangular, much taller than the leaves, and are rough to the touch above. Three to five cylindrical spikes are borne on short stalks along the top of the stem, subtended by a leaf-like bract. The perigynia are subtended by dark-colored scales with obtuse tips and translucent margins. The terminal spike is bisexual with female flowers above male flowers and the lateral spikes are unisexual, with only female flowers. At maturity the perigynia are longer than the scales, about 2.5 mm long, elliptical shaped with a short toothed beak, greenish becoming brown with age, and smooth or with inconspicuous bumps on the surface. Each perigynium has 3 styles and a 3-sided achene.

## Habitat

Found along streams and in wet meadows in the montane and subalpine and growing in moist turf in the alpine.

## Awl-fruit Sedge - *Carex stipata*

[http://FieldGuide.mt.gov/detail\\_PMCYP03CZ0.aspx](http://FieldGuide.mt.gov/detail_PMCYP03CZ0.aspx)



**Global Rank:** G5  
**State Rank:** S4

### **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

### **General Description**

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Densely caespitose. Stems erect, 20–80 cm. Leaves basal and cauline; blades 5–11 mm wide; upper sheaths cross-corrugate ventrally. Inflorescence of numerous sessile spikes arranged on branches of a dense, narrowly lanceolate head; lowest bract inconspicuous. Spikes 3–9 mm long, all similar, male flowers above, inconspicuous, female below. Perigynia spreading to ascending, lanceolate, convex, veiny, green to brown, 4–5 × 1–1.5 mm; the serrulate beak, 2–3 mm long; stigmas 2. Female scales hyaline-tan with a green midvein, shorter than the perigynia. Achene 2-sided, filling the base of the perigynium (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

Our plants are variety *stipata*.

### **Habitat**

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Thickets, swamps, marshes, often around lakes, ponds, streams; valleys, montane (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).)

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## Mt. Shasta Sedge - *Carex stramineiformis*

[http://FieldGuide.mt.gov/detail\\_PMCYP03D10.aspx](http://FieldGuide.mt.gov/detail_PMCYP03D10.aspx)



**Status Under Review**

**Global Rank:** G5

**State Rank:** SU

**AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

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## Many-headed Sedge - *Carex sychnocephala*

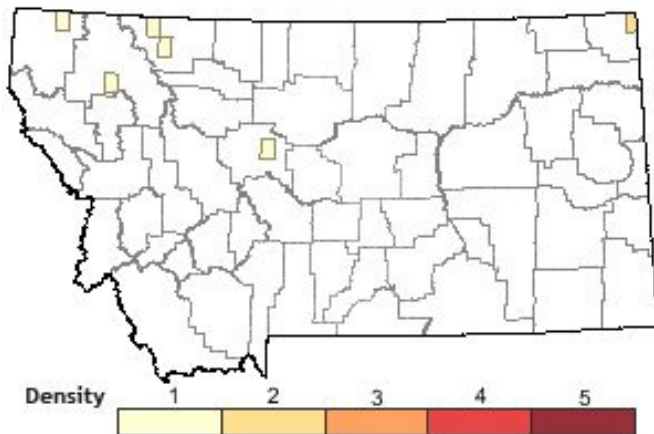
[http://FieldGuide.mt.gov/detail\\_PMCYP03DE0.aspx](http://FieldGuide.mt.gov/detail_PMCYP03DE0.aspx)



### Species of Concern

**Global Rank:** G4  
**State Rank:** S1S2

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**



**Number of Observations:** 7

### General Description

Many-headed Sedge forms clumps without rhizomes and has slender stems that are 5-50 cm high. The lowest leaves are reduced to scales; the upper are flat and 1-4 mm wide. Flowers occur in 4-15 globose spikes clustered together at the top of the stem. The lower spikes are subtended by long, leaf-like bracts that greatly surpass the inflorescence. Inconspicuous male flowers (recognized by the old stamens) occur at the base of each spike. Pale green or tan perigynia are 5-7 mm long and ca. 1 mm wide and narrowly lance-shaped with a long beak and serrated margins. The pale, thin, lance-shaped scales have a green midvein and are ca. 1/2 the length of the perigynia that they subtend. There are 2 styles, and the achenes are 2-sided.

### Habitat

Moist soil of meadows along streams and ponds in the valleys and on the plains.

# Lake Tahoe Sedge - *Carex tahoensis*

[http://FieldGuide.mt.gov/detail\\_PMCYP03DG0.aspx](http://FieldGuide.mt.gov/detail_PMCYP03DG0.aspx)



**Status Under Review**

**Global Rank:** G5  
**State Rank:** S3S4

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

## General Description

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Densely caespitose. Stems erect, 15–30 cm. Leaves basal and cauline; blades 1–3 mm wide. Inflorescence of 4 to 6 sessile, overlapping spikes; lowest bract inconspicuous. Spikes 9–13 mm long, all similar; female flowers above male. Perigynia erect, green to brown, narrowly ovate, convex, wing-margined, ca. 5.5 × ca. 2 mm, tapered to a serrulate beak, 1–2 mm long; stigmas 2. Female scales bronze with wide hyaline margins, concealing the perigynia. Achene 2-sided, smaller than the perigynium (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## Habitat

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Grasslands, meadows; valleys to lower subalpine (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Soft Sedge - *Carex tenera*

[http://FieldGuide.mt.gov/detail\\_PMCYP03DJ0.aspx](http://FieldGuide.mt.gov/detail_PMCYP03DJ0.aspx)



**Status Under Review**

**Global Rank:** G5  
**State Rank:** S3S4

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

### General Description

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Caespitose. Stems erect, 20–80 cm. Leaves: basal blades absent; cauline blades 2–3 mm wide. Inflorescence somewhat nodding, of 4 to 8 sessile, well-separated spikes. Spikes 4–8 mm long, all similar; female flowers above male. Perigynia erect, green to brown, ovate, narrowly wing-margined, 3.5–4 × 1.5–2 mm long gradually tapering to the indistinct, serrulate beak, 1–1.5 mm long; stigmas 2. Female scales pale tan with hyaline margins, shorter than the perigynia. Achene 2-sided, just smaller than the perigynium (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### Habitat

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Riparian meadows; valleys (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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# Thin-flowered Sedge - *Carex tenuiflora*

[http://FieldGuide.mt.gov/detail\\_PMCYP03DL0.aspx](http://FieldGuide.mt.gov/detail_PMCYP03DL0.aspx)



## Species of Concern

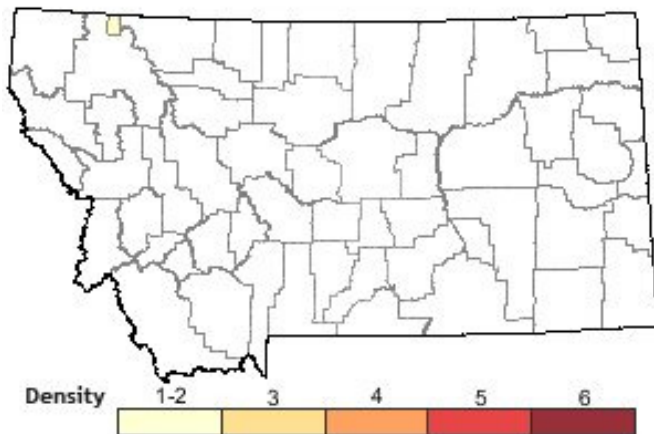
**Global Rank:** G5  
**State Rank:** S2

## AGENCY STATUS

**USFWS:**

**USFS:**

**BLM:**



**Number of Observations:** 2

## General Description

Thin-flowered Sedge forms loose clumps with slender, 206 dm high stems that arise from creeping rhizomes. The leaves are ca. 1 mm wide. Flowers are borne in 2-4 small spikes which are grouped together in a cluster at the top of the stem. A few male flowers (recognized by the old stamens) occur at the base of each spike. The pale green, narrowly elliptic perigynia are ca. 3 mm long and nearly beakless. The whitish, papery scales have a green center and are as long as the perigynia that they subtend. There are 2 styles and the seed achene is lens-shaped.

## Habitat

Wet, organic soil of Sphagnum-dominated fens in the montane zone.

## Torrey's Sedge - *Carex torreyi*

[http://FieldGuide.mt.gov/detail\\_PMCYP03DT0.aspx](http://FieldGuide.mt.gov/detail_PMCYP03DT0.aspx)



**Status Under Review**

**Global Rank:** G4  
**State Rank:** S3?

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

### General Description

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Short-rhizomatous. Stems erect, 15–50 cm, tufted. Leaves basal and cauline, pubescent; blades 1–3 cm wide, pubescent. Inflorescence of 3 to 7 overlapping, short-pedunculate spikes; the lowest bract shorter or longer than the inflorescence. Spikes ascending; the uppermost male, 3–10 mm long; lower female, ovoid, 6–12 mm long. Perigynia ascending to spreading, green, obovoid, glabrous, veiny, ca. 3 mm long with a beak <0.5 mm long. Female scales ovate, short-awned, tan with hyaline margins, shorter than the perigynia. Achene 3-sided, filling the perigynium (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### Habitat

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Moist meadows and woodlands on the plains.

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# Common Beaked Sedge - *Carex utriculata*

[http://FieldGuide.mt.gov/detail\\_PMCYP03H90.aspx](http://FieldGuide.mt.gov/detail_PMCYP03H90.aspx)



**Global Rank:** G5  
**State Rank:** S5

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

## General Description

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Rhizomatous. Stems erect, 50–100 cm. Leaves basal and cauline; blades 4–10 mm wide, yellowish-green, not inrolled. Inflorescence of 4 to 8 well-separated spikes; the lowest bract greater than the inflorescence. Spikes unisexual; the uppermost 1 to 3 male, linear; the lower female, ascending, 2–10 cm long, subsessile to pedunculate, cylindric. Perigynia perpendicular spreading, green to tan, elliptic, inflated, glabrous, 4–6 mm long; the distinct narrow bidentate beak ca. 1.5 mm long; stigmas 3. Female scales acuminate to awned, brown with hyaline margins and pale midvein, smaller than the perigynia. Achene 3-sided, much smaller than the perigynium (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## Habitat

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Abundant in wet soil to standing water of marshes, fens, swamps, around streams, ponds; plains, valleys to subalpine (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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# Sheathed Sedge - *Carex vaginata*

[http://FieldGuide.mt.gov/detail\\_PMCYP03E90.aspx](http://FieldGuide.mt.gov/detail_PMCYP03E90.aspx)



## Species of Concern

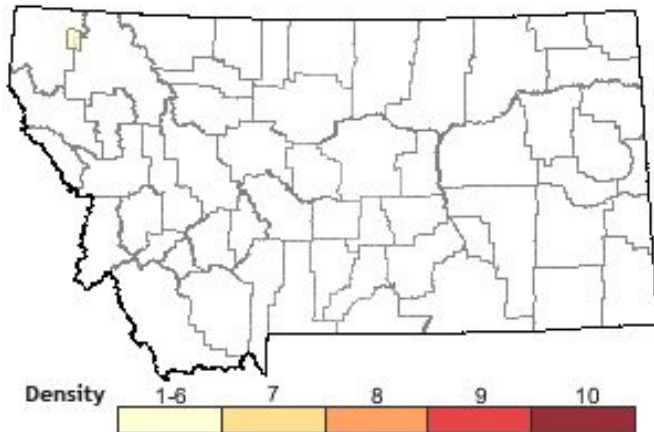
**Global Rank:** G5  
**State Rank:** S2?

### AGENCY STATUS

**USFWS:**

**USFS:** SENSITIVE

**BLM:**



**Number of Observations:** 6

## General Description

Sheathed Sedge is a grass-like perennial with long, slender, scaly rhizomes and with short, broad, flat, grass-like leaves clustered along the bases of the stems. The flowering stems are much taller than the leaves, standing up to 40 cm, and bear 2-4 well-separated erect stalked spikes, the lowest subtended by a leaf-like bract with a somewhat inflated sheath. The terminal spike is club shaped and has only male flowers, and the lateral spikes are cylindrical, 1-2 cm long, and have only female flowers. The greenish to brownish perigynia are 3.5-4.5 mm long with short 2-toothed beaks, subtended by shorter light brown scales with broad green mid-veins. Each perigynium has 3 stigmas protruding from the opening at the top, and an achene that is 3-sided.

## Habitat

Fens, spruce swamps; valleys (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## Valley Sedge - *Carex vallicola*

[http://FieldGuide.mt.gov/detail\\_PMCYP03EA0.aspx](http://FieldGuide.mt.gov/detail_PMCYP03EA0.aspx)



**Global Rank:** G5  
**State Rank:** S3S4

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

### General Description

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Caespitose. Stems erect, 20–40 cm. Leaves: basal and cauline; blades 1–2 mm wide. Inflorescence of 5 to 10 sessile spikes crowded in a cylindric head; lowest bract inconspicuous. Spikes 4–7 mm long, all similar; male flowers above the few female. Perigynia ascending to spreading, green to tan, ellipsoid, ca. 3–4 × 1.5–2 mm, with a short, distinct, entire beak; stigmas 2. Female scales hyaline with a dark midstripe, shorter but as wide as the perigynia. Achene 2-sided to orbicular, tightly filling the perigynium (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### Habitat

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Moist or moderately dry slopes from the foothills to moderate elevations in the mountains, often with sagebrush or aspen.

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## Inflated Sedge - *Carex vesicaria*

[http://FieldGuide.mt.gov/detail\\_PMCYP03EE0.aspx](http://FieldGuide.mt.gov/detail_PMCYP03EE0.aspx)



**Global Rank:** G5  
**State Rank:** S5

### **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

### **General Description**

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Caespitose from short rhizomes. Stems erect, 20–60 cm. Leaves basal and cauline; blades 3–7 mm wide. Inflorescence of 3 to 6 separate to overlapping spikes; the lowest bract greater than the inflorescence. Spikes unisexual, ascending; the uppermost 1 to 3 male, linear; the lower female, 2–5 cm long, subsessile to short-pedunculate, cylindric. Perigynia ascending to erect, green to purplish, lanceoloid to ovoid, often partly inflated, glabrous, 6–8 mm long tapered to a beak 2–3 mm long; stigmas 3. Female scales acuminate, brown with a pale midstripe and margins, awn-tipped, smaller than the perigynia. Achene 3-sided, much smaller than the perigynium (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### **Habitat**

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Marshes, wet meadows, shores, wetlands that dry later in the summer; valleys, montane (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Little Green Sedge - *Carex viridula*

[http://FieldGuide.mt.gov/detail\\_PMCYP03EM0.aspx](http://FieldGuide.mt.gov/detail_PMCYP03EM0.aspx)



**Global Rank:** G5  
**State Rank:** S4

### **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

### **General Description**

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Caespitose. Stems erect, 3–50 cm. Leaves basal and cauline; blades 1–2 mm wide. Inflorescence of 3 to 5 ascending, overlapping (rarely remote) spikes; the lowest bract longer than the inflorescence. Spikes: the uppermost male, 5–15 mm long; the lower female, 3–12 mm long, ellipsoid, subsessile (pedunculate). Perigynia spreading, green to tan, obovoid, glabrous, 2–3.5 mm long with a distinct, entire beak 0.5–1 mm long; stigmas 3. Female scales hyaline-bronze with a green or pale midvein, smaller than the perigynia. Achene 3-sided, nearly filling the perigynium (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### **Habitat**

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Fens, shores of lakes, streams, often where calcareous; plains, valleys, montane (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Fox Sedge - *Carex vulpinoidea*

[http://FieldGuide.mt.gov/detail\\_PMCYP03EN0.aspx](http://FieldGuide.mt.gov/detail_PMCYP03EN0.aspx)



**Status Under Review**

**Global Rank:** G5  
**State Rank:** S3S4

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

### General Description

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Caespitose. Stems erect, 40–80 cm. Leaves: basal bladeless; cauline sheaths cross-wrinkled opposite the blades that are 2–6 mm wide. Inflorescence elongate-congested, of numerous, sessile spikes, clustered on cylindric, spreading to ascending, overlapping branches subtended by conspicuous linear bracts. Spikes 4–7 mm long, all similar, male flowers above female or all female. Perigynia ascending to spreading, ovate, green to gray, glabrous, 2.5–3.5 mm tapered to the flattened, serrulate beak, 1–1.5 mm long; stigmas 2. Female scales hyaline-tan with a green midvein, awned, as long as but narrower than the perigynia. Achene 2-sided, nearly filling the perigynium (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### Habitat

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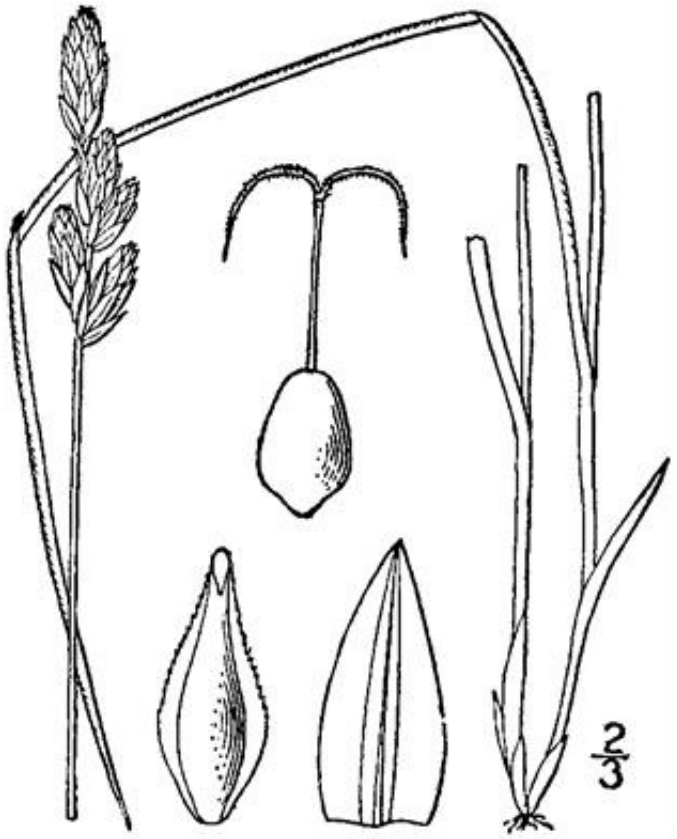
Wet meadows, marshes; plains, valleys (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## White-scaled Sedge - *Carex xerantica*

[http://FieldGuide.mt.gov/detail\\_PMCYP03EX0.aspx](http://FieldGuide.mt.gov/detail_PMCYP03EX0.aspx)



**Status Under Review**

**Global Rank:** G5  
**State Rank:** SU

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

### General Description

Densely caespitose. Stems erect, 15–70 cm. Leaves basal and cauline; blades 1–3 mm wide. Inflorescence of 3–5 sessile spikes, separate below, overlapping above; lowest bract inconspicuous. Spikes 7–14 mm long, all similar; female flowers above, male below. Perigynia erect, tan, ovate, convex, wing-margined, 4–5 × 1.5–2 mm, tapered to a serrulate beak, 1–2 mm long; stigmas 2. Female scales white to silvery with a darker midvein, hiding the perigynia. Achene 2-sided, smaller than the perigynium (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### Habitat

Grasslands, woodlands; plains (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## Brook Grass - *Catabrosa aquatica*

[http://FieldGuide.mt.gov/detail\\_PMPOA19010.aspx](http://FieldGuide.mt.gov/detail_PMPOA19010.aspx)



**Global Rank:** G5  
**State Rank:** S4S5

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

### General Description

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Cool season, stoloniferous perennial. Stems creeping and rooting at basal nodes, 10–110 cm. Leaves: blades flat and lax, 5–14 mm wide, often wrinkled, ligule 1–8 mm long. Inflorescence an open panicle 7–28 cm long. Spikelets 2–3.5 mm long, with 2 to 3 well-spaced florets glumes weakly 1-veined. Lemmas blunt-tipped and prominently 3-veined, awnless; palea well developed. Disarticulation above glumes; unit of dispersal the floret (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### Habitat

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Wet meadows, edges of lakes, springs, and slow running streams from low to middle elevations (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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# Long-spine Sandbur - *Cenchrus longispinus*

[http://FieldGuide.mt.gov/detail\\_PMPOA1C080.aspx](http://FieldGuide.mt.gov/detail_PMPOA1C080.aspx)



**Exotic Species (not native to Montana)**

**Global Rank:** G5

**State Rank:** SNA

## **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

## **General Description**

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Warm season, annual bunchgrass. Stems decumbent, 18–60 cm. Leaves: blades 3–6 mm wide, flat and lax; ligule a fringe of hairs 1–2 mm long; sheaths with overlapping margins. Inflorescences a spike of burrs, with each burr enclosing 1 to 3 spikelets (the burrs are derived from fused sterile branches). Spikelets 6–8 mm long, glumes acute, the first 2–3 mm long, the second 4–6 mm long. Lemmas: fertile lemma with acute apices, awnless, hard-textured if fruit-bearing; palea enclosed by lemma. Disarticulation below the glumes; unit of dispersal the burr or cluster of spikelets (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## **Habitat**

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Open dry to moist sites in disturbance-prone settings (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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# Stout Wood Reed-grass - *Cinna arundinacea*

[http://FieldGuide.mt.gov/detail\\_PMPOA1H010.aspx](http://FieldGuide.mt.gov/detail_PMPOA1H010.aspx)



**Status Under Review**

**Global Rank:** G5

**State Rank:** SU

## **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

## **General Description**

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Rhizomatous. Stems 80–170 cm. Leaves: blades 6–15 mm wide, ligules 3–9 mm long. Inflorescence a contracted panicle 15–45 cm long. Spikelets 4.5–5.5 mm long. Lemma with an awn 0.5–1.5 mm long born from the upper half (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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# Drooping Woodreed - *Cinna latifolia*

[http://FieldGuide.mt.gov/detail\\_PMPOA1H020.aspx](http://FieldGuide.mt.gov/detail_PMPOA1H020.aspx)



**Global Rank:** G5  
**State Rank:** S4

## **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

## **General Description**

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Rhizomatous. Stems 60–150 cm. Leaves: blades 7–17 mm wide, ligules 3–7 mm long. Inflorescence an open but drooping panicle, 12–40 cm long. Spikelets 3–4 mm long. Lemmas with an awn about 1 mm born from the upper half (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## **Habitat**

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Montane understory (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Queencup Beadlily - *Clintonia uniflora*

[http://FieldGuide.mt.gov/detail\\_PMLILOH040.aspx](http://FieldGuide.mt.gov/detail_PMLILOH040.aspx)



**Global Rank:** G4G5  
**State Rank:** S4

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

### General Description

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Scapose, rhizomatous perennials. Scape ascending to erect, 7–12 cm, long-hairy with 1 small bract. Leaves 2 to 3, basal; the blade 8–20 cm long, narrowly obovate, appressed pubescent beneath. Inflorescence 1(2) terminal flower. Flowers regular, campanulate, opening to star-shaped, white; tepals separate, lanceolate, 15–25 mm long; stamens shorter than tepals; anthers yellow; style barely 2-lobed. Fruit an ellipsoid, blue berry 6–13 mm long with 10 to 18 seeds (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### Habitat

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Moist coniferous forest; montane, lower subalpine (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Long-bract Green Orchis - *Coeloglossum viride*

[http://FieldGuide.mt.gov/detail\\_PMORC0K010.aspx](http://FieldGuide.mt.gov/detail_PMORC0K010.aspx)



**Global Rank:** G5  
**State Rank:** S4

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

### General Description

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Stems 10–35 cm, leafy. Leaves shiny green, cauline, 4–10 cm long, oblong to oblanceolate with sheathing bases; basal leaves bladeless. Inflorescence a raceme of 8 to 40 flowers, each subtended by a leaf-like bract, 5–55 mm long. Flowers green; sepals broadly obovate, 4–7 mm long, forming a hood over the column; upper petals beneath the hood, ca. 4 mm long; lip petal 6–11 mm long, strap-shaped, 3-lobed at the tip; the base with a pair of small lateral lobes and forming a sac-like spur behind. Capsule ellipsoid, 7–12 mm long (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### Habitat

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Moist grasslands, open forest, woodlands; plains, valleys, montane (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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# Spotted Coralroot - *Corallorhiza maculata*

[http://FieldGuide.mt.gov/detail\\_PMORCOM010.aspx](http://FieldGuide.mt.gov/detail_PMORCOM010.aspx)



**Global Rank:** G5  
**State Rank:** S4

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

## General Description

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Stems purple, occasionally yellowish, 15–50 cm. Inflorescence with 10 to 30 flowers; bracts 1–5 mm long. Flowers: sepals and upper petals 6–10 mm long, purple (yellowish), somewhat spreading; lip petal 4–9 mm long, white with purple spots and a pair of small lanceolate basal lobes. Capsule 15–22 mm long (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

We have varieties *maculosa* and *occidentalis* (Lindl.) Ames.

## Habitat

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Moist to wet coniferous forest; valleys, montane (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Spotted Coralroot - *Corallorhiza maculata* var. *maculata*

[http://FieldGuide.mt.gov/detail\\_PMORCOM012.aspx](http://FieldGuide.mt.gov/detail_PMORCOM012.aspx)



**Global Rank:** G5T3T5  
**State Rank:** S4

### AGENCY STATUS

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

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## Spotted Coralroot - *Corallorhiza maculata* var. *occidentalis*

[http://FieldGuide.mt.gov/detail\\_PMORCOM011.aspx](http://FieldGuide.mt.gov/detail_PMORCOM011.aspx)



**Global Rank:** G5T3T5  
**State Rank:** S4

### AGENCY STATUS

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

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## Merten's Coralroot - *Corallorhiza mertensiana*

[http://FieldGuide.mt.gov/detail\\_PMORC0M020.aspx](http://FieldGuide.mt.gov/detail_PMORC0M020.aspx)



**Global Rank:** G4G5  
**State Rank:** S4

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

### General Description

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Stems reddish, 15–40 cm. Inflorescence with 10 to 30 flowers; bracts 1–3 mm long. Flowers pink; sepals 6–10 mm long, forming a small sac-like spur at the base; upper petals clustered with the upper sepal, arching over the column; lip petal 6–9 mm long, with a pair of small lanceolate basal lobes. Capsule 10–25 mm long (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### Habitat

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Moist, coniferous forest, often spruce/fir/lodgepole; valleys, montane (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Striped Coralroot - *Corallorhiza striata*

[http://FieldGuide.mt.gov/detail\\_PMORCOM040.aspx](http://FieldGuide.mt.gov/detail_PMORCOM040.aspx)



**Global Rank:** G5  
**State Rank:** S4

### **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

### **General Description**

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Stems purple, 10–45 cm. Inflorescence with 7 to 25 flowers; bracts 2.5–5 mm long. Flowers: sepals and upper petals 9–16 mm long, cupped forward, white with purple longitudinal stripes; lip petal 8–12 mm long, white, purple-stripped, unlobed, with 2 bumps on the inner surface at the base. Capsule 12–25 mm long (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

Our plants are variety *striata*.

### **Habitat**

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Coniferous forest, deciduous woodlands; plains, valleys, montane (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Early Coralroot - *Corallorhiza trifida*

[http://FieldGuide.mt.gov/detail\\_PMORCOM050.aspx](http://FieldGuide.mt.gov/detail_PMORCOM050.aspx)



**Global Rank:** G5  
**State Rank:** S4

### **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

### **General Description**

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Stems pale yellow, 5–25 cm. Inflorescence with 4 to 12 flowers; bracts 0.5–1.5 mm long. Flowers: sepals and upper petals 4–7 mm long, cupped forward, yellow to white; lip petal 3–5 mm long, white with obscure basal lobes. Capsule 6–11 mm long (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### **Habitat**

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Moist forest, thickets, under shrubs in fens, often with moss or along streams; valleys, montane (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Spring Coralroot - *Corallorhiza wisteriana*

[http://FieldGuide.mt.gov/detail\\_PMORC0M060.aspx](http://FieldGuide.mt.gov/detail_PMORC0M060.aspx)



**Global Rank:** G5  
**State Rank:** S4

### **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

### **General Description**

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Stems yellow to purplish, 10–30 cm. Inflorescence with 5 to 20 flowers; bracts 0.5–4 mm long. Flowers: sepals slender, purplish; 6–9 mm long; upper petals clustered with the upper sepal, arching over the column; lip petal 5–7 mm long, unlobed, with a fringed margin and sometimes a few tiny spots. Capsule 8–10 mm long (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### **Habitat**

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Moist to dry coniferous forest, often under Douglas fir on calcareous soils; valleys, montane (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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# Fox-tail Timothy - *Crypsis alopecuroides*

[http://FieldGuide.mt.gov/detail\\_PMPOA1S020.aspx](http://FieldGuide.mt.gov/detail_PMPOA1S020.aspx)



**Exotic Species (not native to Montana)**

**Global Rank:** GNR

**State Rank:** SNA

**AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

## General Description

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Warm season, annual bunchgrass or in large patches. Stems 10–30 cm. Leaves: blades 1–3 mm wide, flat and ascending; ligule hairy, ca. 1 mm long. Inflorescence a cylindrical spike-like panicle 1–6 cm long, 2.5–4 mm wide. Spikelets 2–2.5 mm long with 1 floret; glumes enclosing the floret. Lemmas 1.5–2.5 mm long. Disarticulation below glumes; unit of dispersal the spikelet (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## Habitat

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Sandbars and banks of the large rivers (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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# Bermudagrass - *Cynodon dactylon*

[http://FieldGuide.mt.gov/detail\\_PMPOA1W020.aspx](http://FieldGuide.mt.gov/detail_PMPOA1W020.aspx)



**Exotic Species (not native to Montana)**

**Global Rank:** GNR

**State Rank:** SNA

**AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

## General Description

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Warm season, stoloniferous, mat- or sod-forming perennial. Stems 10–40 cm. Leaves: blades flat and ascending, 2–4 mm wide, ligule hairy, <1 mm long; sheaths with overlapping margins. Inflorescence of 3 to 6 digitally arranged secund spikes, the branches 3–5 cm long. Spikelets closely appressed, 2–3 mm long with 1 floret, sometimes with vestigial florets. Lemmas 3-nerved, awnless, 2–3 mm long. Disarticulation above glumes; unit of dispersal the floret (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## Habitat

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Frequently disturbed sites, roadsides, lawns, and reclaimed areas (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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# Crested Dogtail Grass - *Cynosurus cristatus*

[http://FieldGuide.mt.gov/detail\\_PMPOA1X010.aspx](http://FieldGuide.mt.gov/detail_PMPOA1X010.aspx)



**Exotic Species (not native to Montana)**

**Global Rank:** GNR

**State Rank:** SNA

## **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

## **General Description**

Perennial bunchgrass. Stems 20–60 cm. Leaves: blades 1–2 mm wide. Inflorescence a contracted second panicle 4–11 cm long, usually <1 cm wide. Spikelets 4–7 mm long, the fertile ones with 2 to 5 florets. Lemmas 3–5 mm long, mostly awn-tipped (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## **Habitat**

Creeksides draining hot springs, expected along roadsides similarly disturbed settings, occasionally a pasture grass (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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# Bristly Dogtail Grass - *Cynosurus echinatus*

[http://FieldGuide.mt.gov/detail\\_PMPOA1X020.aspx](http://FieldGuide.mt.gov/detail_PMPOA1X020.aspx)



**Exotic Species (not native to Montana)**

**Global Rank:** GNR

**State Rank:** SNA

## **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

## **General Description**

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Annual bunchgrass. Stems 30–90 cm. Leaves: blades 3–10 mm wide. Inflorescence a contracted second panicle 2–4 cm long, usually >1 cm wide. Spikelets 7–12 mm long, the fertile ones with 1 to 4 florets. Lemmas with an awn 5–15 mm long. Forest edges, along roads, in grain fields, and similarly disturbed open sites (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## **Habitat**

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Forest edges, along roads, in grain fields, and similarly disturbed open sites (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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# Short-pointed Flatsedge - *Cyperus acuminatus*

[http://FieldGuide.mt.gov/detail\\_PMCYP06010.aspx](http://FieldGuide.mt.gov/detail_PMCYP06010.aspx)



## Species of Concern

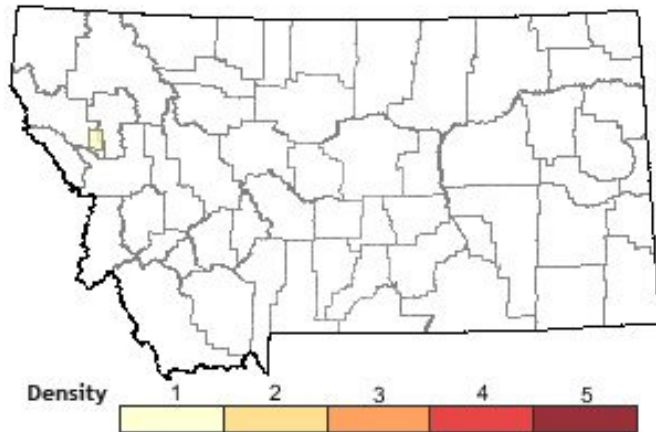
**Global Rank:** G5  
**State Rank:** S1

## AGENCY STATUS

**USFWS:**

**USFS:**

**BLM:**



**Number of Observations:** 1

## General Description

Sharp-pointed Flatsedge is a grass-like, 5-20 cm high annual that forms tufts of stems. The few leaves occur near the base of the plant and are 1-2 mm wide. The inflorescence is subtended by 3-4 long, leaf-like bracts. Each flower consists only of a small, pointed, 2 mm long scale, which subtends a single stamen and ovary. Flowers are crowded opposite each other into flattened spikelets that are 3-7 mm long. The spikelets occur in globose clusters and are borne on very short to long stalks. The seed is triangular in cross-section.

## Habitat

Wet soil of pond margins, lakes, and sloughs in the valleys and on the plains.

# Shining Flatsedge - *Cyperus bipartitus*

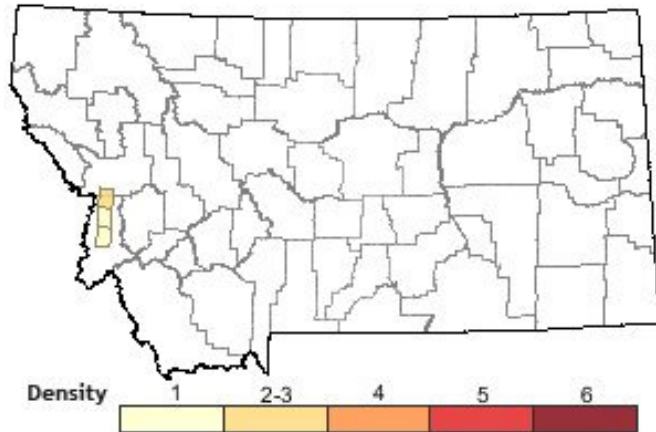
[http://FieldGuide.mt.gov/detail\\_PMCYP063U0.aspx](http://FieldGuide.mt.gov/detail_PMCYP063U0.aspx)



## Species of Concern

**Global Rank:** G5  
**State Rank:** S1

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**



**Number of Observations:** 5

## General Description

Shining Flatsedge is a grass-like annual which forms tufts of slender stems that are 5-20 cm high. The few leaves occur near the base of the plant and are 1-2 mm wide. The flowers consist of a small, blunt scale with a pale, ca. 2-3 mm long midrib, which subtends a single stamen and ovary. The flowers are crowded opposite each other into flattened spikelets that are 3-15 mm long. Spikelets occur in open clusters borne on very short to long stalks arising from the stem tips. The inflorescence is subtended by 2-4 leaf-like bracts, at least one of which is longer than the inflorescence. The seed is lens-shaped.

## Habitat

Wet, often gravelly shores of rivers, lakes and ponds in the valley zone.

# Red-root Flatsedge - *Cyperus erythrorhizos*

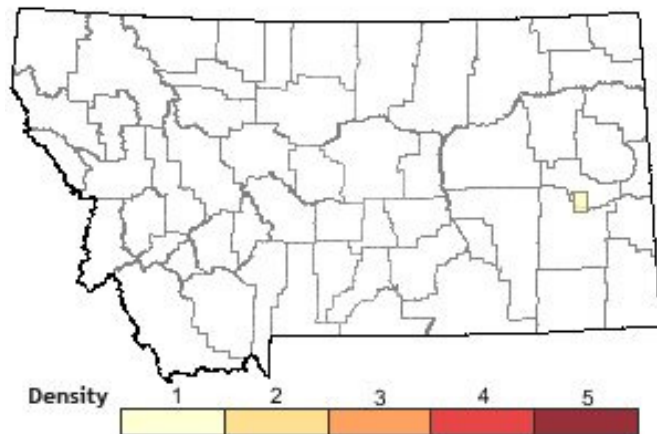
[http://FieldGuide.mt.gov/detail\\_PMCYP060Z0.aspx](http://FieldGuide.mt.gov/detail_PMCYP060Z0.aspx)



## Species of Concern

**Global Rank:** G5  
**State Rank:** S1

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**



**Number of Observations:** 1

## General Description

Red-root Flatsedge is a grass-like annual that forms tufts of stout stems that are 1-7 dm high. Few leaves occur near the base of the plant; they are 2-9 mm wide. The flowers consist only of a pointed scale with a green, ca. 1.5 mm long midvein, which subtends a single stamen and ovary. The flowers are crowded opposite each other into cylindrical spikelets that are 1-4 cm long. These spikelets are clustered into elongate spikes on stalks arising from the top of the stem. The inflorescence is subtended by 3-5 long, leaf-like bracts that are as wide or wider than the leaves. The seed is 3-sided.

## Habitat

Reported elsewhere from valleys and lowlands, especially along the shores of major rivers.

# Schweinitz' Flatsedge - *Cyperus schweinitzii*

[http://FieldGuide.mt.gov/detail\\_PMCYP06360.aspx](http://FieldGuide.mt.gov/detail_PMCYP06360.aspx)



## Species of Concern

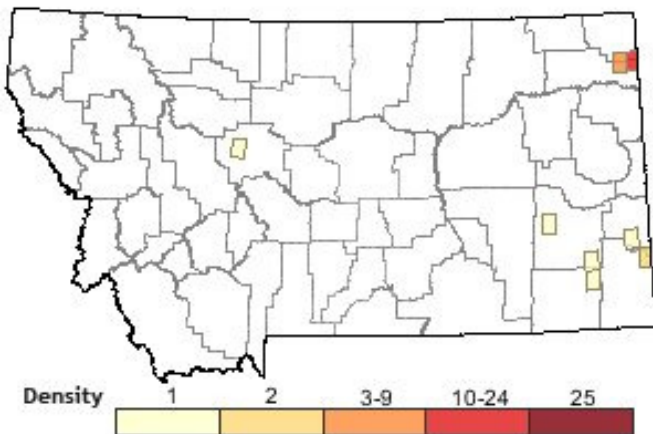
**Global Rank:** G5  
**State Rank:** S2

## AGENCY STATUS

**USFWS:**

**USFS:**

**BLM:** SENSITIVE



**Number of Observations:** 40

## General Description

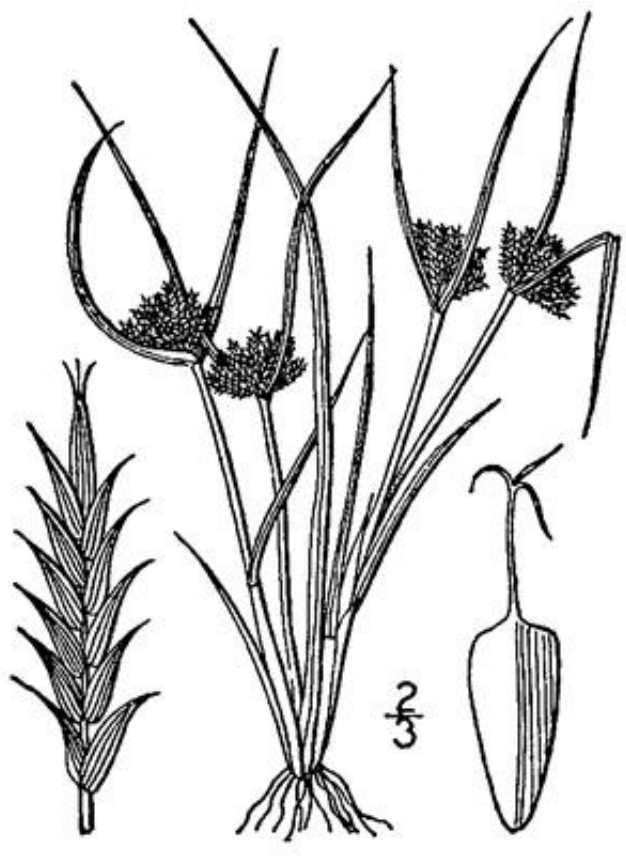
Schweinitz' Flatsedge is a grass-like perennial with stems that are 10-40 cm high, arising from short, irregularly swollen rhizomes. The leaves are 1-4 mm wide and located mostly near the base of the plant. The inflorescence is subtended by 3-6 long, leaf-like bracts, some of which are wider than the leaves. The inflorescence is made up of ascending clusters of flattened spikelets that are 5-25 mm long and borne on stalks that are very short to long. The flowers are crowded opposite each other and consist only of a small, pointed scale, which is ca. 3-4 mm long and subtends 3 stamens and an ovary. The seed is triangular in cross-section.

## Habitat

Sparsely-vegetated, sandy-soiled, prairie grasslands on ridges and slopes often near sandstone outcrops or on sandy "blowouts". Commonly associated species include *Oryzopsis hymenoides*, *Stipa comata*, *Sporobolus cryptandrus*, *Calamovilfa longifolia*, *Carex filifolia*, *Andropogon scoparius*, *Tradescantia occidentalis*, *Pinus ponderosa* and *Yucca glauca*.

## Bearded Flatsedge - *Cyperus squarrosus*

[http://FieldGuide.mt.gov/detail\\_PMCYP064B0.aspx](http://FieldGuide.mt.gov/detail_PMCYP064B0.aspx)



**Global Rank:** G5  
**State Rank:** SNR

### **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

### **General Description**

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Caespitose annual. Stems ascending to erect, 1–5 cm. Leaves basal, 0.5–2 mm wide, mostly flat. Inflorescence of hemispheric to obovoid spikes of sessile or subsessile spikelets. Spikelets flattened, 3–8 mm long. Scales long-acuminate, light brown, ca. 1.5 mm long, 7- to 9-veined with long spreading to reflexed tips. Flowers: stamen 1; style 3-branched. Achene narrowly obovate, 3-sided, brown, 0.5–1 mm long (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### **Habitat**

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Sandy or gravelly, vernaly-flooded soil along rivers; plains, valleys (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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# Straw-colored Flatsedge - *Cyperus strigosus*

[http://FieldGuide.mt.gov/detail\\_PMCYP063D0.aspx](http://FieldGuide.mt.gov/detail_PMCYP063D0.aspx)



## Potential Species of Concern

**Global Rank:** G5

**State Rank:** SH

### AGENCY STATUS

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

## General Description

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Caespitose annual to perennial. Stems ascending to erect, 10–60 cm. Leaves mainly basal, 2–10 mm wide, flat. Inflorescence of ovoid to hemispheric clusters of spikes of sessile spikelets. Spikelets cylindric, 4–10 mm long. Scales pale brown with a green midvein, 3–4 mm long, several-veined. Flowers: stamens 3; style 3-branched. Achene narrowly elliptic, dark brown, 3-sided, ca. 2 mm long (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## Habitat

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Stream banks; valleys (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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# Clustered Lady's-slipper - *Cypripedium fasciculatum*

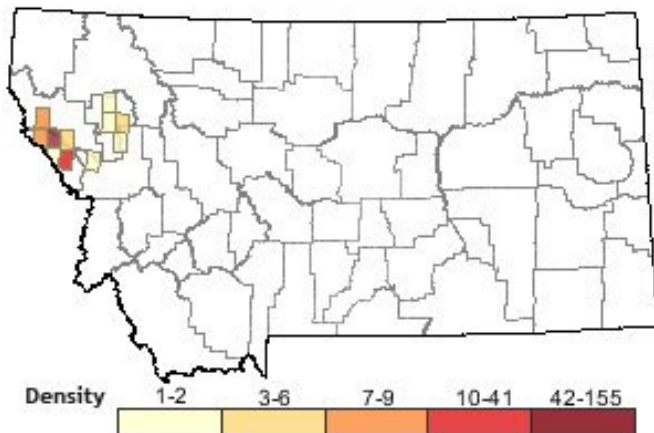
[http://FieldGuide.mt.gov/detail\\_PMORC0Q060.aspx](http://FieldGuide.mt.gov/detail_PMORC0Q060.aspx)



## Species of Concern

**Global Rank:** G4  
**State Rank:** S3

**AGENCY STATUS**  
**USFWS:**  
**USFS:** SENSITIVE  
**BLM:**



**Number of Observations:** 247

## General Description

Clustered Lady's-slipper is a perennial with densely hairy, solitary stems, which are 5-20 cm tall and arise from a rhizome. There is a single leaf wrapped around the base of the stem and one pair of sessile, opposite leaves located near the top of the stem; these leaves are broadly elliptic to oval-shaped and are 4-8 cm broad. The 2-4 flowers are tightly clustered at the top of the stem, and each is subtended by a green, lance-shaped bract. The 3 narrowly lance-shaped sepals are 12-25 mm long and greenish brown to purplish with purple lines or spots; the lower 2 are united nearly to the tip. The 2 upper petals are similar to the sepals in shape and color; the lower petal is pouch-shaped, shorter than the sepals, and greenish yellow with brownish-purple margins and often a purple tinge. The ovary and mature capsule are densely hairy.

## Habitat

Montana occurrences are mostly in warm, dry mid-seral montane forest in the Douglas fir/ninebark and grand fir/ninebark habitat types. Elsewhere in its range, it is in western red cedar habitat types.

# Mountain Lady's-slipper - *Cypripedium montanum*

[http://FieldGuide.mt.gov/detail\\_PMORC0Q080.aspx](http://FieldGuide.mt.gov/detail_PMORC0Q080.aspx)



**Global Rank:** G4  
**State Rank:** S4

## **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

## **General Description**

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Stems 20–50 cm. Leaves alternate, lanceolate to elliptic, 5–15 cm long. Inflorescence of 1 to 3 (mostly 2) flowers; bracts 3–12 cm long. Flowers: sepals lanceolate, 3–5 cm long brownish-purple; upper petals linear, 4–6 cm long, twisted; lip petal white, 2–3 cm long. Capsule 2–3 cm long (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## **Habitat**

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Moist to dry forest, usually in deep, moist soil but sometimes shallow, stony calcareous soil; montane (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Small Yellow Lady's-slipper - *Cypripedium parviflorum*

[http://FieldGuide.mt.gov/detail\\_PMORC0Q090.aspx](http://FieldGuide.mt.gov/detail_PMORC0Q090.aspx)



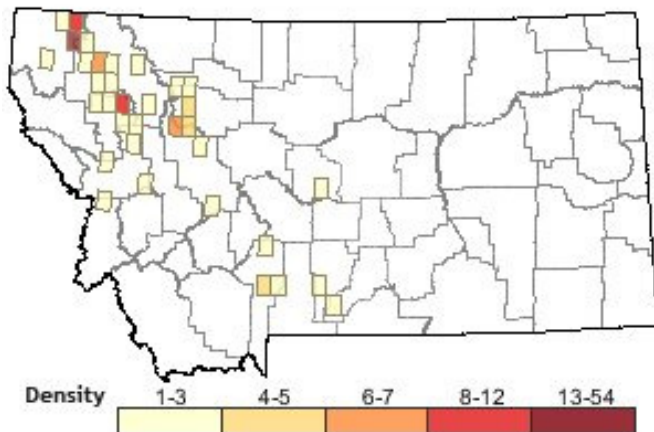
**Global Rank:** G5  
**State Rank:** S4

### **AGENCY STATUS**

**USFWS:**

**USFS:** SENSITIVE

**BLM:**



**Number of Observations:** 183

### **General Description**

Small Yellow Lady's-slipper is a perennial with leafy stems 15-40 cm tall, which arise from short rhizomes. The elliptic leaves are 6-7 cm long and sheath the stem; foliage is lightly pubescent and usually glandular. The 1-2 yellow flowers are subtended by an erect leafy bract, which is often longer than the inflorescence. The narrow sepals reach up to 4 cm long, and are wavy-margined or slightly twisted. One petal is strongly pouch-shaped and often purple-dotted; the other 2 petals are united into one that is similar to the sepals but slightly longer. The fruit is an elliptic capsule bearing thousands of tiny seeds.

### **Habitat**

Fens, damp mossy woods, seepage areas, and moist forest-meadow ecotones in the valley to lower montane zones.

# Sparrow's-egg Lady's-slipper - *Cypripedium passerinum*

[http://FieldGuide.mt.gov/detail\\_PMORC0Q0A0.aspx](http://FieldGuide.mt.gov/detail_PMORC0Q0A0.aspx)



## Species of Concern

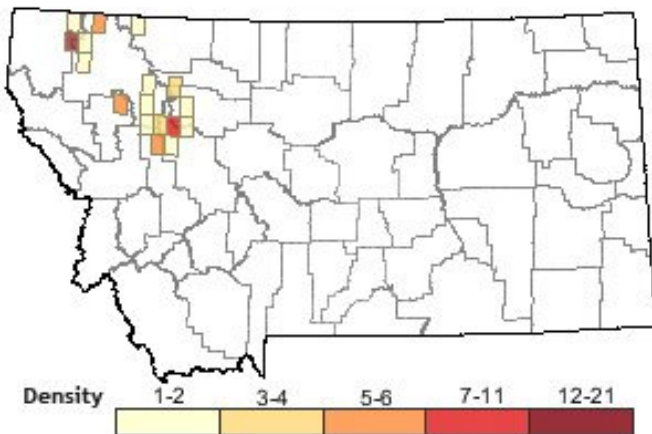
**Global Rank:** G4G5  
**State Rank:** S3

## AGENCY STATUS

**USFWS:**

**USFS:** SENSITIVE

**BLM:**



**Number of Observations:** 79

## General Description

Sparrow's-egg Lady's-slipper is a perennial with leafy stems reaching up to 35 cm high and arising from slender, creeping rhizomes. The 3-5 broadly lance-shaped leaves reach up to 15 cm long and clasp the stem; the herbage is covered with long, soft hairs and is usually somewhat sticky. The one or two flowers are subtended by a leafy bract which is longer than the inflorescence. The sepals are green and 10-16 mm long, and the upper is longer than the lower two. The petals are white; the lower is pouch-like with purple spots on the inside, and the other two resemble the sepals but are shorter. The erect capsule is ovoid and bears thousands of tiny seeds.

## Habitat

Mossy, moist, or seepy places in coniferous forests, often on calcareous substrates.

## Hybrid Lady's-slipper - *Cypripedium x columbianum*

[http://FieldGuide.mt.gov/detail\\_PMORC0Q0M0.aspx](http://FieldGuide.mt.gov/detail_PMORC0Q0M0.aspx)



**Global Rank:** GNA  
**State Rank:** SNA

### **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

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## Orchard Grass - *Dactylis glomerata*

[http://FieldGuide.mt.gov/detail\\_PMPOA1Y020.aspx](http://FieldGuide.mt.gov/detail_PMPOA1Y020.aspx)



**Exotic Species (not native to Montana)**

**Global Rank:** GNR

**State Rank:** SNA

**AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

### General Description

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Cool season, perennial bunchgrass, commonly forms tussocks. Stems 80–200 cm. Leaves: blades flat and lax to ascending, 4–8 mm wide; ligules membranous, 3–9 mm long; sheaths with overlapping margins and dorsally keeled. Inflorescence a contracted secund panicle 4–20 cm long. Spikelets 5–8 mm long with 3 to 6 florets. Lemmas 4–6 mm long, keeled and inconspicuously veined, awnless or awn-tipped; palea enclosed in lemma. Disarticulation above glumes; unit of dispersal the floret (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### Habitat

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Open meadows and open understory where moderately disturbed, including road and trailsides, as well as in lawns (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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# Fringed Water-plantain - *Damasonium californicum*

[http://FieldGuide.mt.gov/detail\\_PMALI03010.aspx](http://FieldGuide.mt.gov/detail_PMALI03010.aspx)



## Potential Species of Concern

**Global Rank:** G4

**State Rank:** SH

### AGENCY STATUS

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

## General Description

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Cormose. Scapes 20–40 cm. Leaf blades lanceolate to narrowly elliptic, 3–12 cm long. Inflorescence a raceme of 1 to 4 whorls; bracts ovate, 4–10 mm long. Flowers unisexual, female below the male; sepals oblong to ovate, reflexed, 4–5 mm long; petals rhombic, white with a yellow, clawed base, 7–10 mm long, erose-margined; stamens 6; pistils 6 to 10. Achenes compressed-obovoid 3–6 mm long with a beak 3–6 mm long, spreading at maturity, tightly packed in a wheel-like head (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## Habitat

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Mossy river banks; valleys (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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# California Oatgrass - *Danthonia californica*

[http://FieldGuide.mt.gov/detail\\_PMPOA20010.aspx](http://FieldGuide.mt.gov/detail_PMPOA20010.aspx)



**Global Rank:** G5  
**State Rank:** S4

## **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

## **General Description**

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Stems 30–100 cm. Leaves: blades 2–4 mm wide; sheaths and collar hairless to hairy; ligule 1–1.5 mm long. Inflorescence a raceme 3–6 cm long, with usually 2 to 4 spikelets. Spikelets 15–25 mm long, with 5 to 7 florets. Lemmas not tightly enfolded by the glumes, 7–10 mm long, hairless except along margins, with awns 8–11 mm long (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## **Habitat**

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Sporadic but locally common in open dry meadows, shrub steppe, and open understory (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Timber Oatgrass - *Danthonia intermedia*

[http://FieldGuide.mt.gov/detail\\_PMPOA20040.aspx](http://FieldGuide.mt.gov/detail_PMPOA20040.aspx)



**Global Rank:** G5  
**State Rank:** S4S5

### **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

### **General Description**

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Stems 10–50 cm. Leaves: blades 1–4 mm wide; sheaths essentially hairless and collar hairy; ligule 0.5–0.7 mm long. Inflorescence a contracted panicle or raceme 3–6 cm long, with 4 to 10 spikelets. Spikelets 11–15 mm long, with 4 to 7 florets. Lemmas tightly enfolded by the glumes, 3–6 mm long, hairless except along margins, with awns 6–8 mm long (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### **Habitat**

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Dry mountain meadows at middle to high elevations (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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# Parry's Oatgrass - *Danthonia parryi*

[http://FieldGuide.mt.gov/detail\\_PMPOA20050.aspx](http://FieldGuide.mt.gov/detail_PMPOA20050.aspx)



**Status Under Review**

**Global Rank:** G5  
**State Rank:** SU

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

## General Description

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Stems 30–70 cm. Leaves: blades 2–3 mm wide; sheaths essentially hairless; the collar usually hairy; ligule 0.5–1 mm long. Inflorescence a contracted panicle or raceme 3–7 cm long, with 4 to 10 spikelets. Spikelets 17–22 mm long, with 4 to 6 florets. Lemmas tightly enfolded by glumes, 7–10 mm long, long-hairy over the entire back, with awns 12–14 mm long (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## Habitat

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Dry mountain meadows (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Poverty Oatgrass - *Danthonia spicata*

[http://FieldGuide.mt.gov/detail\\_PMPOA200A0.aspx](http://FieldGuide.mt.gov/detail_PMPOA200A0.aspx)



**Status Under Review**

**Global Rank:** G5  
**State Rank:** SU

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

### General Description

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Stems 30–60 cm. Leaves 1–3 mm wide; sheaths essentially hairless to hairy and collar usually hairy; ligule 0.5–1 mm long. Inflorescence a contracted panicle or raceme 3–5 cm long, with 5 to 10 spikelets. Spikelets 10–15 mm long with 4 to 7 florets. Lemmas tightly enfolded by glumes, 3–5 mm long, sparsely but uniformly hairy on back except at the tip, with awns 5–8 mm long (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### Habitat

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Dry mountain meadows (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Few-flowered Oatgrass - *Danthonia unispicata*

[http://FieldGuide.mt.gov/detail\\_PMPOA200B0.aspx](http://FieldGuide.mt.gov/detail_PMPOA200B0.aspx)



**Global Rank:** G5  
**State Rank:** S4

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

### General Description

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Stems 15–30 cm. Leaves: blades 1–2 mm wide; sheath at least near the throat densely long-hairy, the hairs wide-spreading and 2–4 mm long; collar long-hairy; ligule 0.2–0.5 mm long. Inflorescence with mostly 1 spikelet, rarely 2 or 3. Spikelets 14–24 mm long, with 4 to 9 florets. Lemmas 7–11 mm long, hairless on the back, sparsely hairy along margins, with awns 7–12 mm long (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### Habitat

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Open understory and shrub steppe from middle to subalpine elevations (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Tufted Hairgrass - *Deschampsia cespitosa*

[http://FieldGuide.mt.gov/detail\\_PMPOA220E0.aspx](http://FieldGuide.mt.gov/detail_PMPOA220E0.aspx)



**Global Rank:** G5  
**State Rank:** S5

### **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

### **General Description**

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Perennial. Stems 30–100 cm. Leaves: blades mostly 1.5–3 mm wide, ligules 2–10 mm long. Inflorescence an open panicle 8–25 cm long. Spikelets 3.5–6 mm long, glumes purplish but distally straw- or silvery-colored. Lemmas 2–5 mm long (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### **Habitat**

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Montane to alpine meadows, in open dry understory to moist alpine meadows (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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# Annual Hairgrass - *Deschampsia danthonioides*

[http://FieldGuide.mt.gov/detail\\_PMPOA22070.aspx](http://FieldGuide.mt.gov/detail_PMPOA22070.aspx)



**Status Under Review**

**Global Rank:** G5  
**State Rank:** SU

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

## General Description

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Annual. Stems 15–40 cm. Leaves: blades 1–1.5 mm wide, withering by anthesis, ligules 2–3 mm long. Inflorescence a contracted to open panicle, 5–20 cm long. Spikelets 6.5–9 mm long, glumes gradually tapering to a sharp-pointed tip. Lemmas 1.5–3 mm long (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## Habitat

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Regularly disturbed settings in open dry montane understory (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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# Slender Hairgrass - *Deschampsia elongata*

[http://FieldGuide.mt.gov/detail\\_PMPOA22080.aspx](http://FieldGuide.mt.gov/detail_PMPOA22080.aspx)



**Global Rank:** G5  
**State Rank:** S4

## **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

## **General Description**

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Perennial Stems 20–80 cm. Leaves: blades 1–2 mm wide, ligules 3–8 mm long. Inflorescence a contracted panicle 5–25 cm long, the branches appressed to the main rachis. Spikelets 4–7 mm long, glumes pale green but distally purplish-colored. Lemmas 2–3 mm long (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## **Habitat**

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Open to closed montane understory (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Panic Grass - *Dichanthelium acuminatum*

[http://FieldGuide.mt.gov/detail\\_PMPOA24020.aspx](http://FieldGuide.mt.gov/detail_PMPOA24020.aspx)



**Status Under Review**

**Global Rank:** G5  
**State Rank:** SU

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

### General Description

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Stems 10–30 cm. Leaves: blades 5–10 mm wide, usually <8 times longer than wide, ligule 2–6 mm long.

Inflorescence an open panicle 3–8 cm long. Spikelets 1.5–2 mm long; glumes hairy, first 0.5–0.75 mm long, second 1.5–2 mm long. Lemmas: fertile lemma blunt, globe-like. Our plants are subspecies sericeum (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### Habitat

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Often forming dense stands on wet soils around edges of hot springs (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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# Few-flowered Panic-grass - *Dichanthelium oligosanthos*

[http://FieldGuide.mt.gov/detail\\_PMPOA240Q0.aspx](http://FieldGuide.mt.gov/detail_PMPOA240Q0.aspx)



**Global Rank:** G5  
**State Rank:** S1?

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

## General Description

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Stems 2–5 dm, usually spreading. Leaves: blades 5–15 mm wide, mostly hairless; ligule 1–3 mm long. Inflorescence an open panicle 3–9 cm long. Spikelets 2.7–4.2 mm long; glumes hairless to sparsely hairy, first 1–1.2 mm long, second 2.5–3 mm long. Lemmas: fertile lemma blunt, spherical (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## Habitat

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This plant has been documented from southeast and northwest Montana. In Lake County it was collected in sandy pinelands. Two small colonies recently documented in Powder River County occupied *Pinus ponderosa*/*Mahonia repens* habitat. Both were at the upper end of draws, with one on the lower south-facing slope of a steep, wooded drainage and the other at the gently sloping upper end near the border between woodland and grassland. Associated species included *Agropyron spicatum*, *Astragalus agrestis*, *Astragalus americanus*, *Carex deweyana*, *Carex sprengelii*, *Crepis acuminata*, *Elymus glaucus*, *Euphorbia glyptosperma*, *Penstemon gracilis* and *Poa pratensis*. Soils were well-drained, coarse, sandy or gravelly loams.

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## Scribner's Panic Grass -

### *Dichanthelium oligosanthos* var. *scribnerianum*

[http://FieldGuide.mt.gov/detail\\_PMPOA240Q2.aspx](http://FieldGuide.mt.gov/detail_PMPOA240Q2.aspx)



#### Species of Concern

**Global Rank:** G5T5

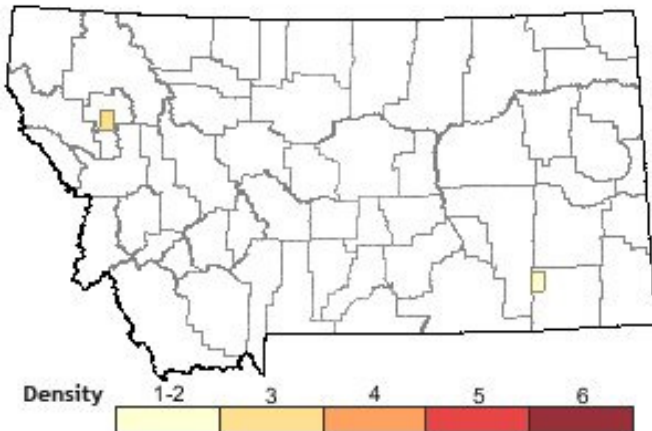
**State Rank:** S1S2

#### AGENCY STATUS

**USFWS:**

**USFS:**

**BLM:** SENSITIVE



**Number of Observations:** 5

#### General Description

Scribner's Panic Grass is a perennial which forms clumps of simple or branched stems that are 1-6 dm tall. The lower leaves are 3-10 cm long and 3-12 mm wide, while the upper leaves are short and relatively broad. Leaves are mostly glabrous, but the sheaths surrounding the stem are glabrous to long-hairy. There is a short fringe of hairs on the leaf where it meets the stem, which is known as a ligule. The flowers are borne on short to long stalks, which are arranged in a conical inflorescence that is 3-8 cm high. Inflorescences of the main stems are larger than those of the branches. Each egg-shaped spikelet has one flower, is ca. 3 mm long, and consists of two glumes enclosing a lemma and a palea that may or may not be hairy.

#### Habitat

This plant has been documented from southeast and northwest Montana. In Lake County it was collected in sandy pinelands. Two small colonies recently documented in Powder River County occupied *Pinus ponderosa*/*Mahonia repens* habitat. Both were at the upper end of draws, with one on the lower south-facing slope of a steep, wooded



drainage and the other at the gently sloping upper end near the border between woodland and grassland. Associated species included *Agropyron spicatum*, *Astragalus agrestis*, *Astragalus americanus*, *Carex deweyana*, *Carex sprengeii*, *Crepis acuminata*, *Elymus glaucus*, *Euphorbia glyptosperma*, *Penstemon gracilis* and *Poa pratensis*. Soils were well-drained, coarse, sandy or gravelly loams.

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## Wilcox's Panic Grass - *Dichanthelium wilcoxianum*

[http://FieldGuide.mt.gov/detail\\_PMPOA241Q0.aspx](http://FieldGuide.mt.gov/detail_PMPOA241Q0.aspx)



**Status Under Review**

**Global Rank:** G5  
**State Rank:** S3?

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

### General Description

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Stems 10–20 cm, usually spreading. Leaves: blades 2–5 mm wide, distinctly hairy; ligule to 1 mm long. Inflorescence an open panicle 2–5 cm long. Spikelets 2.4–3.2 mm long; glumes conspicuously hairy, first 1–1.2 mm long, second 2.5–3 mm long. Lemmas: fertile lemma blunt, spherical (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### Habitat

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Open dry disturbed settings (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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# Smooth Crabgrass - *Digitaria ischaemum*

[http://FieldGuide.mt.gov/detail\\_PMPOA270J0.aspx](http://FieldGuide.mt.gov/detail_PMPOA270J0.aspx)



**Exotic Species (not native to Montana)**

**Global Rank:** GNR

**State Rank:** SNA

## **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

## **General Description**

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Stems 18–45 cm, mostly decumbent, nodes hairless. Leaves: blades 3–5 mm wide; ligules 1–2 mm long, membranous, throat hairy. Inflorescence of 2 to 7 digitately or almost digitately arranged secund spikes, 3–9 cm long. Spikelets 1.5–2 mm long, ovate; first glume very short, about 0.2 mm long, the second glume 1.5–2 mm long, with glandular hairs. Lemmas: fertile lemma ovate, dark brown at maturity (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## **Habitat**

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Disturbance-prone sites such as roadsides and in lawns (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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# Hairy Crabgrass - *Digitaria sanguinalis*

[http://FieldGuide.mt.gov/detail\\_PMPOA270S0.aspx](http://FieldGuide.mt.gov/detail_PMPOA270S0.aspx)



**Exotic Species (not native to Montana)**

**Global Rank:** G5

**State Rank:** SNA

**AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

## General Description

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Plants 30–60 cm, decumbent and rooting at lower nodes; nodes hairy. Leaves: blades 4–7 mm wide; ligules 1–2 mm long, membranous, throat sparsely hairy. Inflorescence of 7 to 10 digitately or almost digitately arranged secund spikes, 8–12 cm long. Spikelets 2.8–3 mm long, narrowly ovate; first glume very short, about 0.3 mm long, the second glume 1–2 mm long, without glandular hairs. Lemmas: fertile lemma narrowly elliptic, light brown at maturity (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## Habitat

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Disturbance-prone sites such as roadsides and in lawns (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Saltgrass - *Distichlis spicata*

[http://FieldGuide.mt.gov/detail\\_PMPOA2B010.aspx](http://FieldGuide.mt.gov/detail_PMPOA2B010.aspx)



**Global Rank:** G5  
**State Rank:** S5

### **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

### **General Description**

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Warm season, strongly rhizomatous perennial. Stems 10–40 cm. Leaves: blades 2–5 mm wide, flat and ascending, distichously arranged, stiff and pungent-tipped. Inflorescence a contracted panicle or raceme, the staminate inflorescence well exerted above leaves and the pistillate inflorescence 1–6 cm long and typically clustered among leaves, the two types of spikelets superficially similar, although the staminate averaging more florets than the pistillate. Spikelets 10–17 mm long, with 5 to 16 florets; glumes faintly veined. Lemmas: 4–6 mm long, many-veined, awnless, thin-textured in the staminate spikelet (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### **Habitat**

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Alkali flats and less commonly in shrub steppe at lower elevations (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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# Threeway Sedge - *Dulichium arundinaceum*

[http://FieldGuide.mt.gov/detail\\_PMCYP08010.aspx](http://FieldGuide.mt.gov/detail_PMCYP08010.aspx)



**Global Rank:** G5  
**State Rank:** S3S4

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

## General Description

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Rhizomatous, perennial herb. Stems terete, solitary, erect, hollow, 25–70 cm. Leaves cauline; the lower sheaths brown, bladeless; upper blades leathery, 1–12 cm × 2–8 mm. Inflorescence of axillary spikes 15–35 mm long; each composed of several spikelets. Spikelets cylindric, 10–25 mm long, of 2-ranked, overlapping, green to tan, acuminate scales 5–10 mm long. Flowers perfect, each at the base of a scale; perianth of 6 to 9 retrorsely barbed bristles 5–8 mm long; stamens 3; style 2-branched. Achene 2-sided, narrowly ellipsoid, short-stalked, 2–4 mm long (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## Habitat

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Shallow water or saturated peat of fens; valleys, lower montane (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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# Barnyard Grass - *Echinochloa crus-galli*

[http://FieldGuide.mt.gov/detail\\_PMPOA2D020.aspx](http://FieldGuide.mt.gov/detail_PMPOA2D020.aspx)



**Exotic Species (not native to Montana)**

**Global Rank:** GNR

**State Rank:** SNA

**AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

## General Description

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Warm season, annual bunchgrass. Stems 10–120 cm long, few- to many-bunched, usually sprawling to ascending. Leaves: blades 5–25 mm wide, flat and lax; ligule absent or represented by a pigmented rim; sheaths with overlapping margins. Inflorescence a contracted secund panicle 5–22 cm long. Spikelets 2.5–4.5 mm long (excluding awns) with one fertile floret; first glume 1–1.5 mm long, second glume 2.5–4.5 mm long, gradually tapering to a sharp-pointed tip, with stiff coarse hairs along veins. Lemmas: sterile lemma like second glume and with an awn 0.5–20 mm long; fertile lemma awnless with an acute apex globe-like. Disarticulation above the glumes; unit of dispersal the floret (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## Habitat

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Regularly disturbed settings such as cracks in sidewalks and parking lots, in lawns, along roadsides, and around cultivated fields (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Rough Barnyard Grass - *Echinochloa muricata*

[http://FieldGuide.mt.gov/detail\\_PMPOA2D040.aspx](http://FieldGuide.mt.gov/detail_PMPOA2D040.aspx)



**Status Under Review**

**Global Rank:** G5

**State Rank:** SU

**AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

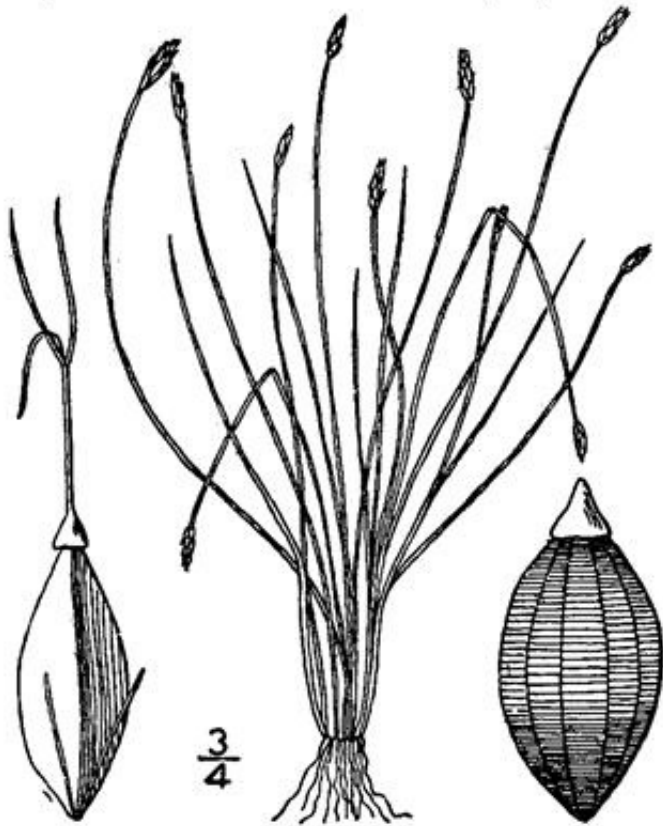
**Number of Observations:** 0

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## Least Spikerush - *Eleocharis acicularis*

[http://FieldGuide.mt.gov/detail\\_PMCYP09010.aspx](http://FieldGuide.mt.gov/detail_PMCYP09010.aspx)



**Global Rank:** G5  
**State Rank:** SNR

### **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

### **General Description**

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Slenderly rhizomatous perennial. Stems ascending to erect, 1–25 cm, tufted. Spikelet 2–7 mm long with 3 to 15 flowers. Scales purplish with a green midrib and hyaline margins, 1.5–2.5 mm long. Flowers: bristles 0 to 4, exceeding the achene; stigmas 3. Achenes grey, honeycombed, obovoid, ca. 1 mm long with a flattened, triangular tubercle (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### **Habitat**

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Muddy shores or shallow water on margins of ponds, lakes, streams, ditches; plains, valleys, montane (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Purple Spikerush - *Eleocharis atropurpurea*

[http://FieldGuide.mt.gov/detail\\_PMCYP09040.aspx](http://FieldGuide.mt.gov/detail_PMCYP09040.aspx)

**Status Under Review**

**Global Rank:** G4G5

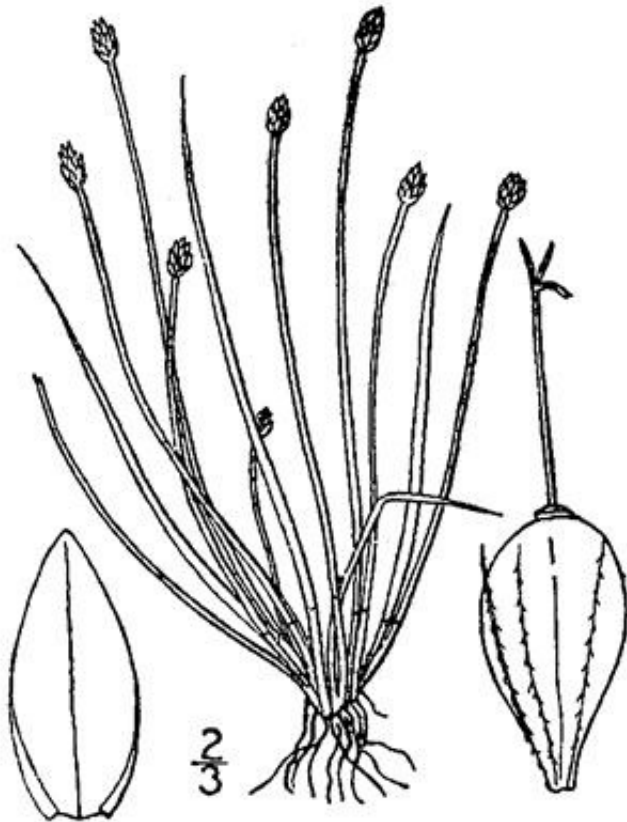
**State Rank:** SU

**AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**



**Number of Observations:** 0

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## Delicate Spikerush - *Eleocharis bella*

[http://FieldGuide.mt.gov/detail\\_PMCYP09080.aspx](http://FieldGuide.mt.gov/detail_PMCYP09080.aspx)



**Status Under Review**

**Global Rank:** G5  
**State Rank:** SU

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

### General Description

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Fibrous-rooted annual. Stems ascending to erect, 1–8 cm, tufted. Spikelet 1–3 mm long with 3 to 15 flowers. Scales ca. 1 mm long, purplish with a green midrib and hyaline margins. Flowers: bristles absent; stigmas 3. Achenes whitish, honeycombed, obovoid, 0.5–1 mm long with a flattened, apiculate tubercle (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### Habitat

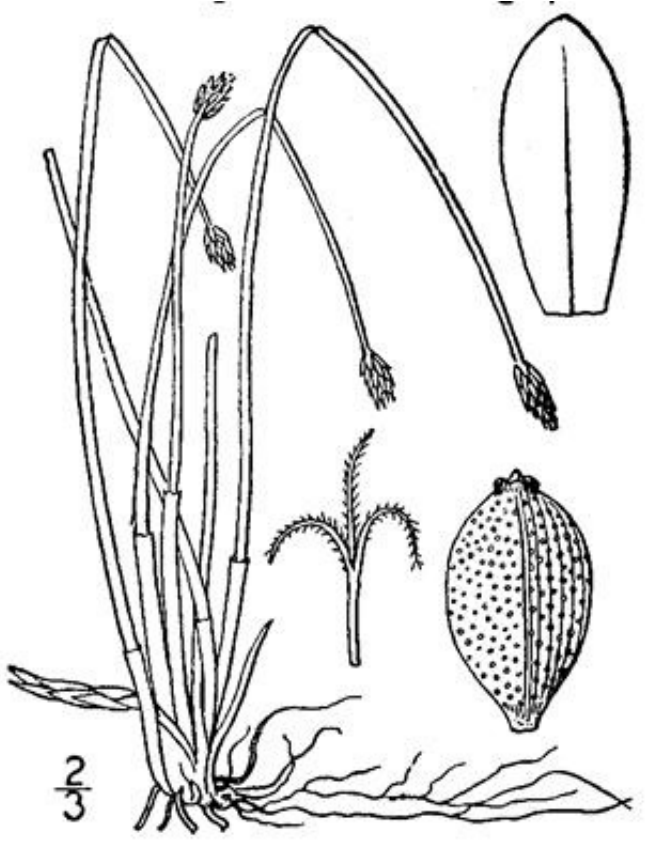
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Vernally wet soil along ponds, streams; valleys to montane (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Slender Spikerush - *Eleocharis elliptica*

[http://FieldGuide.mt.gov/detail\\_PMCYP090K0.aspx](http://FieldGuide.mt.gov/detail_PMCYP090K0.aspx)



**Global Rank:** G5  
**State Rank:** S3S4

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

### General Description

Rhizomatous perennial. Stems erect, 10–40 cm with purple sheaths, tufted. Spikelet 3–8 mm long with 10 to 30 flowers. Scales 2–3 mm long, brown to purple with hyaline margins, the lowest larger, sterile, rounded. Flowers: bristles absent or reduced; stigmas 3. Achenes yellow, honeycombed, obovate, 1–1.5 mm long; tubercle triangular, 0.1–0.2 mm long (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

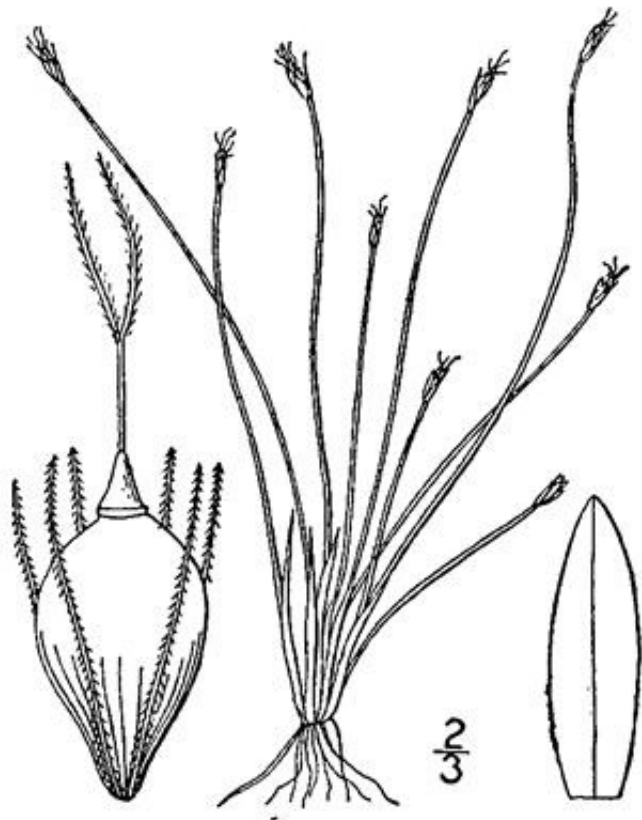
Lesica (2012) treats this species as *Eleocharis tenuis* (Willd.) Schult. variety *borealis* (Svenson) Gleason

### Habitat

Fens, moist alkaline meadows around ponds, streams; valleys, montane (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## Pale Spikerush - *Eleocharis flavescens*

[http://FieldGuide.mt.gov/detail\\_PMCYP090S0.aspx](http://FieldGuide.mt.gov/detail_PMCYP090S0.aspx)



**Status Under Review**

**Global Rank:** G5  
**State Rank:** SU

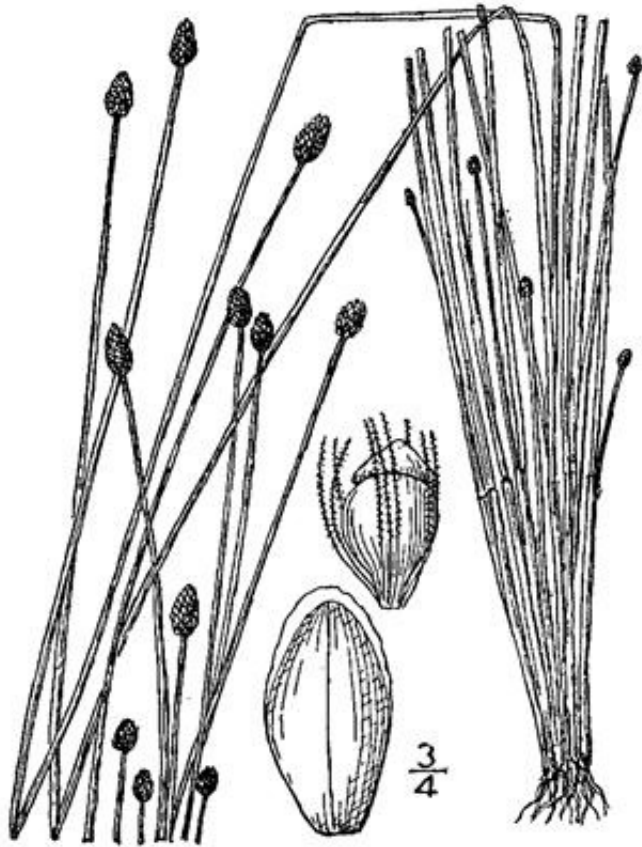
**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

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## Ovate Spikerush - *Eleocharis ovata*

[http://FieldGuide.mt.gov/detail\\_PMCYP09230.aspx](http://FieldGuide.mt.gov/detail_PMCYP09230.aspx)



**Global Rank:** G5  
**State Rank:** SNR

### **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

### **General Description**

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Fibrous-rooted annual. Stems ascending to erect, 4–20 cm, tufted. Spikelet 4–10 mm long with numerous flowers. Scales brown with hyaline margins and a lighter midrib, 2–2.5 mm long. Flowers: bristles 0 to 7, equaling or exceeding the achene; stigmas usually 2. Achenes grey to brown, smooth, obovate, lenticular, ca. 1.5 mm long with a broad, low tubercle 0.1–0.2 mm high (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### **Habitat**

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Vernally wet to shallowly submersed soil on the margins of ponds, lakes, sloughs; valleys (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Creeping Spikerush - *Eleocharis palustris*

[http://FieldGuide.mt.gov/detail\\_PMCYP091E0.aspx](http://FieldGuide.mt.gov/detail_PMCYP091E0.aspx)



**Global Rank:** G5  
**State Rank:** S5

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

### General Description

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Rhizomatous perennial. Stems erect with purple bases, 7–90 cm solitary or few together. Spikelet 5–25 mm long with numerous flowers. Scales brown to purple with a green or tan midrib, 2.5–4 mm long, the lowest 1 or 2 empty, bract-like. Flowers: bristles 4 to 6, exceeding the achene; stigmas 2. Achenes yellow to brown, smooth, obovate, lenticular, 2–3 mm long including the short-stemmed triangular tubercle 0.5–1 mm long (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### Habitat

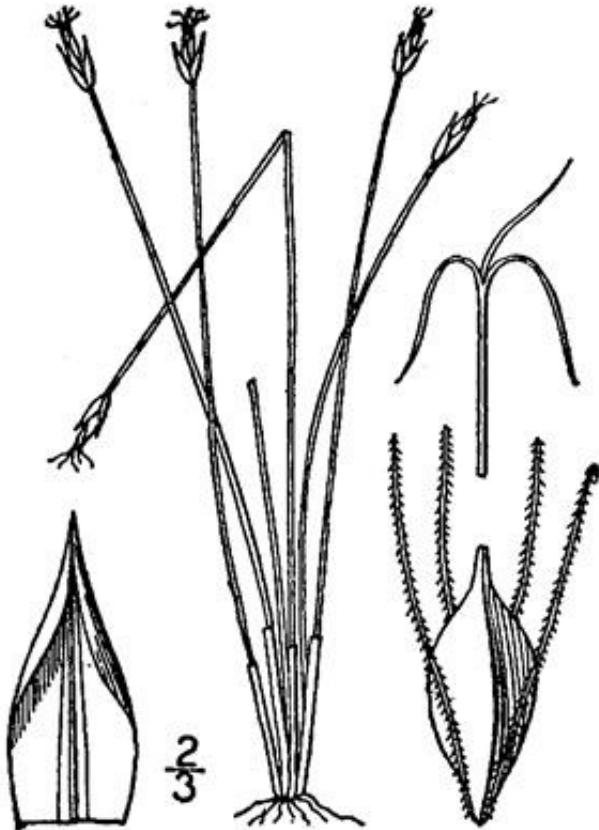
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Vernally wet to shallow water of wet meadows, margins of lakes, ponds, marshes, fens; plains, valleys, montane (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Few-flower Spikerush - *Eleocharis quinqueflora*

[http://FieldGuide.mt.gov/detail\\_PMCYP091K0.aspx](http://FieldGuide.mt.gov/detail_PMCYP091K0.aspx)



**Global Rank:** G5  
**State Rank:** SNR

### **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

### **General Description**

Short-rhizomatous perennial. Stems erect, 5–25 cm, tufted. Spikelet 4–8 mm long with ca. 5 flowers. Scales brown to purple, 3–6 mm long, the lowest larger. Flowers: bristles absent or 3 to 6, longer or shorter than the achene; stigmas 3. Achenes brown, smooth, narrowly obovate, 3-sided, 2–3 mm long including the conical tubercle confluent with the body (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

Lesica (2012) treats this species as *Eleocharis pauciflora* (L.) Roem. & Schult.

### **Habitat**

Moist to wet, often peaty, often calcareous soil of fens, wet meadows, seeps; montane to rarely alpine (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).



## Beaked Spikerush - *Eleocharis rostellata*

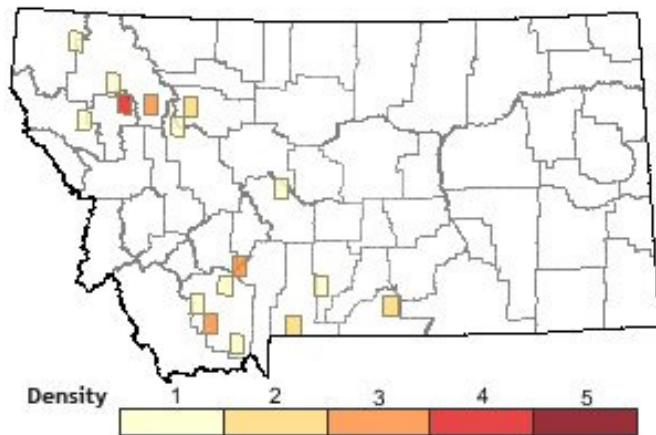
[http://FieldGuide.mt.gov/detail\\_PMCYP091P0.aspx](http://FieldGuide.mt.gov/detail_PMCYP091P0.aspx)



### Species of Concern

**Global Rank:** G5  
**State Rank:** S3

**AGENCY STATUS**  
**USFWS:**  
**USFS:** SENSITIVE  
**BLM:** SENSITIVE



**Number of Observations:** 28

### General Description

Beaked Spikerush is a grasslike perennial with stems that are 4-10 dm long, 1-2 mm wide, and clustered on a rootstock. All leaves occur on the lower stems and are reduced to sheathing scales, making the plants appear leafless. Longer stems arch over and root at the tips, forming new plants. The flowers are composed of ca. 6 bristles subtended by a blunt, lance-shaped, brownish scale that is 3-5 mm long and has a pale midrib; there are 3 stamens. 10-20 flowers are spirally arranged in a solitary conelike spike, 8-13 mm long, at the tip of the stem. The green to brown, egg-shaped, 3-sided seed or achene, is 2-3 mm long and tapers to a prominent beak.

### Habitat

Wet, often alkaline soils, associated with warm springs or fens in the valley and foothills zones.

## Indian Goosegrass - *Eleusine indica*

[http://FieldGuide.mt.gov/detail\\_PMPOA2F020.aspx](http://FieldGuide.mt.gov/detail_PMPOA2F020.aspx)



**Exotic Species (not native to Montana)**

**Global Rank:** GNR

**State Rank:** SNA

### **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

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# Long-sheath Waterweed - *Elodea bifoliata*

[http://FieldGuide.mt.gov/detail\\_PMHYD03010.aspx](http://FieldGuide.mt.gov/detail_PMHYD03010.aspx)



## Species of Concern

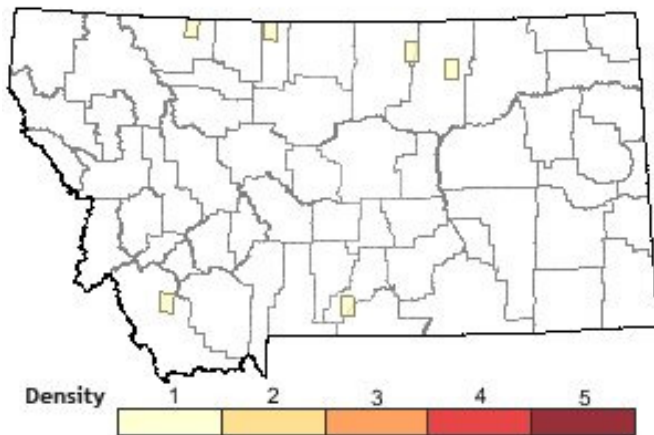
**Global Rank:** G4G5  
**State Rank:** S2?

## AGENCY STATUS

**USFWS:**

**USFS:**

**BLM:** SENSITIVE



**Number of Observations:** 6

## General Description

Long-sheath Waterweed is an aquatic perennial herb with slender, few-branched stems that root at the nodes in shallow water. The opposite, strap-shaped leaves are up to 26 mm long and are 1-2 mm wide. The unisexual flowers have 3 petals, each of which is 4-5 mm long, and 3 sepals, each of which is 3-4 mm long. Male flowers have 9 stamens and are larger than the female flowers. The solitary flowers float to the surface of the water on the ends of long, flaccid stalks that arise from a tubular, 2-lobed bract that is located amongst the leaves. The fruit is a cylindrical capsule that contains 6 seeds and is ca. 1 cm long.

## Habitat

Shallow water of ponds and lakes on the plains.

## Broad Waterweed - *Elodea canadensis*

[http://FieldGuide.mt.gov/detail\\_PMHYD03030.aspx](http://FieldGuide.mt.gov/detail_PMHYD03030.aspx)



**Global Rank:** G5  
**State Rank:** S4

### **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

### **General Description**

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Leaves 5–12 × 1.5–2.5 mm, minutely serrate, narrowly lanceolate and opposite below to more linear and 3-whorled above. Male flowers: spathe to 15 mm long, inflated above; sepals 3–5 mm long; petals 4–5 mm long; stamens 7 to 9. Female flowers: spathe 1–2 cm long, not inflated; sepals ca. 2 mm long, purplish; petals 2–3 mm long. Capsule 5–6 mm long (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### **Habitat**

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Shallow to deep water of lakes, ponds, sloughs, slow streams; valleys (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Nuttall Waterweed - *Elodea nuttallii*

[http://FieldGuide.mt.gov/detail\\_PMHYD03080.aspx](http://FieldGuide.mt.gov/detail_PMHYD03080.aspx)



**Status Under Review**

**Global Rank:** G5

**State Rank:** S2

**AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

### General Description

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Leaves 4–15 × 1–1.5 mm, linear, 3- to 4-whorled. Male flowers: sessile; sepals ca. 2 mm long; petals minute or absent; stamens 9. Female flowers: spathe 9–15 mm long; sepals 1–2 mm long; petals 1–2 mm long. Capsule 4–8 mm long (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### Habitat

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Shallow to deep water of ponds, lakes, sloughs; valleys, montane (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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# Montana Wheatgrass - *Elymus albicans*

[http://FieldGuide.mt.gov/detail\\_PMPOA2H1Q0.aspx](http://FieldGuide.mt.gov/detail_PMPOA2H1Q0.aspx)



**Global Rank:** G5?  
**State Rank:** SNR

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

## General Description

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Rhizomatous, sometimes bunched. Stems often glaucous, 35–80 cm. Leaves: blades 2–4 mm wide, often stiff and inrolled; sheaths and collar often hairy. Inflorescence 3–15 cm long, rachis continuous, internodes <10 mm long. Spikelets 10–29 mm long, appressed to the main rachis, with 4 to 9 florets, glumes shorter than spikelet, with a broad base, narrowly tapering to a point or short awn. Lemmas hairy, with a divergent awn 5–15 mm (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## Habitat

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Open dry shrub steppe vegetation (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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# Altai Wildrye - *Elymus angustus*

[http://FieldGuide.mt.gov/detail\\_PMPOA6P050.aspx](http://FieldGuide.mt.gov/detail_PMPOA6P050.aspx)



**Exotic Species (not native to Montana)**

**Global Rank:** GNR

**State Rank:** SNA

## **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

## **General Description**

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Rhizomatous bunchgrass, mostly cultivated. Stems 1–3 m. Leaves: blades 6–15 mm wide, usually flat. Inflorescence 15–35 mm long, the rachis continuous and erect. Spikelets 2 to 6 per node, 17–25 mm long; glumes narrow, gradually tapering from the base to a narrow pointed tip, about as long as 1st lemma, veins not evident or with a single vein. Lemmas mostly 2 or 3 per spikelet, densely hairy, awnless or with a short awn to 2.5 mm long. (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## **Habitat**

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Cultivated and escaped around crop fields (Gallatin and Fallon counties) (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Canada Wildrye - *Elymus canadensis*

[http://FieldGuide.mt.gov/detail\\_PMPOA2H044.aspx](http://FieldGuide.mt.gov/detail_PMPOA2H044.aspx)



**Global Rank:** G5  
**State Rank:** S4

### **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

### **General Description**

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Bunchgrass. Stems 80–150 cm. Leaves: blades 4–12 mm wide, usually flat. Inflorescence 7–19 cm long, the rachis continuous and usually drooping. Spikelets mostly 2 (rarely more) per node, 12–16 mm long (excluding awns), glumes 3- to 5-veined, tapering to an awn up to 12 mm long. Lemmas mostly 3 to 4 per spikelet, short hairy, tapering gradually into an awn up to 3.5 cm long, the awns divergent and curved (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### **Habitat**

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Most common along road cuts where likely introduced for soil stabilization (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Great Basin Wildrye - *Elymus cinereus*

[http://FieldGuide.mt.gov/detail\\_PMPOA6P060.aspx](http://FieldGuide.mt.gov/detail_PMPOA6P060.aspx)



**Global Rank:** G5  
**State Rank:** S4

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

### General Description

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Bunchgrass. Stems 1–2 m tall, forming large bunches or tussocks. Leaves: blades 7–12 mm wide, usually flat. Inflorescence 8–22 cm long, the rachis continuous and erect. Spikelets mostly 3 (sometimes more) per node, 11–15 mm long; glumes narrow, gradually tapering from the base to a narrow pointed tip, about as long as 1st lemma, veins not evident or with a single vein. Lemmas mostly 3 to 5 per spikelet, sparsely short hairy, awnless or with a short awn to 5 mm long (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### Habitat

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Open shrub steppe to open montane understory, in theory near seeps, as well as moderately disturbed sites such as along rural roads subject to little disturbance (e.g., grading, spraying, etc.). (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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# Giant Wildrye - *Elymus condensatus*

[http://FieldGuide.mt.gov/detail\\_PMPOA6P070.aspx](http://FieldGuide.mt.gov/detail_PMPOA6P070.aspx)



**Exotic Species (not native to Montana)**

**Global Rank:** G3G4

**State Rank:** SNA

## **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

## **General Description**

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Bunchgrass. Stems 1–3 m tall, forming large patches in which may be found short rhizomes. Leaves: blades up to 30 mm wide, usually flat. Inflorescence 15–50 cm long, the rachis continuous and erect. Spikelets mostly >3 per node, about 15 mm long; glumes narrow, gradually tapering from the base to a narrow, pointed tip, about as long as or longer than the first lemma, veins not evident or with a single vein. Lemmas usually about 5 per spikelet (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## **Habitat**

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Frequently disturbed settings, mine tailings (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Bottlebrush Squirrel-tail - *Elymus elymoides*

[http://FieldGuide.mt.gov/detail\\_PMPOA2H110.aspx](http://FieldGuide.mt.gov/detail_PMPOA2H110.aspx)



**Global Rank:** G5  
**State Rank:** S5

### **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

### **General Description**

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Bunchgrass. Stems 20–60 cm. Leaves: blades 1–5 mm wide, flat to folded. Inflorescence 4–14 cm long, the erect rachis readily disarticulating at maturity. Spikelets usually 2 per node (1 to 3), 11–14 mm long; glumes gradually tapering from the base to a narrow acute tip, often bifid, rarely trifid, distinctly 1- to 2-veined, imperceptibly tapering into 1 or 2 awns that are 2–11 cm long. Lemmas mostly 2 to 6 per spikelet, hairless to hairy, tapering into an awn 2–10 cm long (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### **Habitat**

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Open dry shrub steppe as well as in moderately disturbed sides such as along gravel back roads (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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# Sand Wildrye - *Elymus flavescens*

[http://FieldGuide.mt.gov/detail\\_PMPOA6P080.aspx](http://FieldGuide.mt.gov/detail_PMPOA6P080.aspx)



## Species of Concern

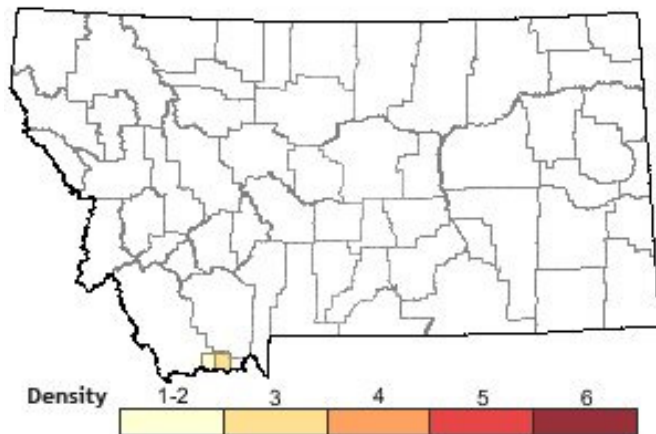
**Global Rank:** G4  
**State Rank:** S1S2

## AGENCY STATUS

**USFWS:**

**USFS:**

**BLM:** SENSITIVE



**Number of Observations:** 5

## General Description

Sand Wildrye is a perennial grass that forms large clumps of leaves and stems which reach up to 1 m high and arise from deep rhizomes. The glabrous leaves are 3-5 mm wide with inrolled margins. The membranous crest on the leaf where it meets the stem, or ligule is ca. 1 mm high. Spikelets are 15-25 mm long and are arranged opposite each other at each node in a narrow spike that is 12-20 cm long and is located at the tops of the stems. Each spikelet has a pair of short-awned glumes at its base and 5-9 flowers, each of which has a densely long-hairy lemma that is 11-15 mm long and a smaller palea.

## Habitat

Sand wildrye occurs in sandy soils throughout its range. In Montana it is found in sand-deposition areas of sand dunes, where it is associated with *Stipa comata* and *Agropyron caninum*. The species has also been found on sandy roadsides.

## Blue Wildrye - *Elymus glaucus*

[http://FieldGuide.mt.gov/detail\\_PMPOA2H080.aspx](http://FieldGuide.mt.gov/detail_PMPOA2H080.aspx)



**Global Rank:** G5  
**State Rank:** S4S5

### **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

### **General Description**

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Bunchgrass. Stems few-bunched, 60–130 cm. Leaves: blades 5–12 mm wide, flat. Inflorescence 6–16 cm long, the rachis continuous and erect. Spikelets usually 2 per node, 12–20 mm long; glumes distinctly broadest in the lower half, with 3 to 5 veins, the base mostly greenish, not indurate, distally tapering to a short awn or awn-tip. Lemmas mostly 2 to 4 per spikelet, essentially hairless, with a straight awn 10–20 mm long (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### **Habitat**

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Dry montane meadows and open understory (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Intermediate Wheatgrass - *Elymus hispidus*

[http://FieldGuide.mt.gov/detail\\_PMPOA2H300.aspx](http://FieldGuide.mt.gov/detail_PMPOA2H300.aspx)



**Exotic Species (not native to Montana)**

**Global Rank:** GNR

**State Rank:** SNA

**AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

### General Description

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Rhizomatous or bunched. Stems few to extensively bunched, 0.5–1.5 m. Leaves: blades 4–12 mm wide, firm, flat or rolled upon drying, leaf sheaths often with ciliate margins. Inflorescence (6–)12–30 cm long, rachis continuous, thick and somewhat concave on the side toward the spikelet, the internodes 10 or more mm long. Spikelets (10–)14–32 mm long, appressed to the main rachis, florets mostly 6 to 12 per spikelet, glumes shorter than florets, thick and blunt or notched, rarely pointed. Lemmas blunt to pointed, sometimes with a minute awn (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### Habitat

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Open dry disturbed sites especially in pastures and along roads and trails (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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# Northern Wildrye - *Elymus innovatus*

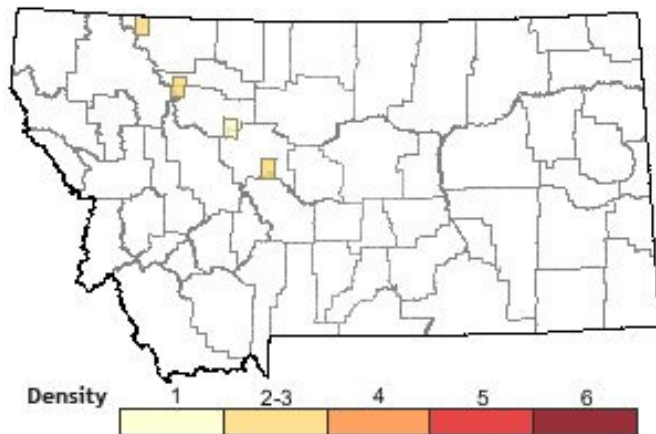
[http://FieldGuide.mt.gov/detail\\_PMPOA6P090.aspx](http://FieldGuide.mt.gov/detail_PMPOA6P090.aspx)



## Species of Concern

**Global Rank:** G5  
**State Rank:** S2

**AGENCY STATUS**  
**USFWS:**  
**USFS:** SENSITIVE  
**BLM:**



**Number of Observations:** 10

## General Description

Northern Wild-rye is a perennial grass that forms small clumps of stems that are 4-8 dm high and which arise from creeping rhizomes. The stiff leaves are 2-4 mm wide and have inrolled margins; they are glabrous on top but minutely roughened on the bottoms. The membranous crest on the leaf where it meets the stem, or ligule, is ca. 1 mm high and has hairs on the upper margin. Spikelets are arranged opposite each other at each node in a narrow spike that is 4-9 cm long and located at the top of the stem. Spikelets are often purplish and have a pair of narrow, awn-tipped glumes at their base. They have 3-5 flowers, each of which has an awned, hairy lemma that is 5-12 mm long and a smaller palea.

## Habitat

Moist meadows, forest margins and openings along rivers and streams in the valley and lower montane zones.

# Russian Wildrye - *Elymus junceus*

[http://FieldGuide.mt.gov/detail\\_PMPOA81010.aspx](http://FieldGuide.mt.gov/detail_PMPOA81010.aspx)



**Exotic Species (not native to Montana)**

**Global Rank:** GNR

**State Rank:** SNA

## **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

## **General Description**

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Bunchgrass. Stems few to many-bunched, 50–100 cm. Leaves: blades 2–7 mm wide, flat to inrolled. Inflorescence erect, 6–12 cm long; the inflorescence rachis disarticulating at maturity. Spikelets 2 or 3 per node, 8–11 mm long; glumes gradually tapering from the base to a very narrow pointed tip, 1-veined. Lemmas 2 or 3 per spikelet, distinctly short-hairy, tapering to an awn-tip or awn that is <4 mm long (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## **Habitat**

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Introduced for forage and reclamation, sometimes escaping, possibly not long persisting (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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# Thickspike Wheatgrass - *Elymus lanceolatus*

[http://FieldGuide.mt.gov/detail\\_PMPOA2H0S0.aspx](http://FieldGuide.mt.gov/detail_PMPOA2H0S0.aspx)



**Global Rank:** G5  
**State Rank:** S5

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

## General Description

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Rhizomatous. Stems usually glaucous, 35–80 cm. Leaves: blades 2–5 mm wide, often stiff and somewhat inrolled, leaf sheaths and collar often hairy. Inflorescence 3–15 cm long, rachis continuous, internodes <10 mm long. Spikelets 10–29 mm long, appressed to the main rachis, florets mostly 4 to 9, glumes shorter than florets, broadest above the base and shortly tapering to an acute tip. Lemmas sparsely to densely hairy, awn-tipped or with an awn up to 5 (–10) mm (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## Habitat

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Open dry sites at lower elevations (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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# Quackgrass - *Elymus repens*

[http://FieldGuide.mt.gov/detail\\_PMPOA7H010.aspx](http://FieldGuide.mt.gov/detail_PMPOA7H010.aspx)



**Exotic Species (not native to Montana)**

**Global Rank:** GNR

**State Rank:** SNA

## **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

## **General Description**

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Rhizomatous. Stems slender, 0.7–1.1 m. Leaves: blades 4–11 mm wide, flat, lax to ascending, sheaths often with retrorse soft hairs. Inflorescence 5–13 cm long, rachis continuous, slender, the internodes <10 mm long. Spikelets 9–16 mm long, appressed to the rachis, florets 3 to 7 per spikelet, glumes shorter than florets, tapering to an awn tip. Lemmas tapering to an awn-tip (rarely unawned) or with an awn usually about 5 (–10) mm long (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## **Habitat**

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Moist disturbed settings especially around lawns, in gardens, along roadsides, and riparian areas from lower to middle elevations (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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# Scribner's Wildrye - *Elymus scribneri*

[http://FieldGuide.mt.gov/detail\\_PMPOA2H170.aspx](http://FieldGuide.mt.gov/detail_PMPOA2H170.aspx)



**Global Rank:** G5  
**State Rank:** S4?

## **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

## **General Description**

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Bunchgrass. Stems prostrate to strongly decumbent, 20–40 cm. Leaves: blades 2–4 mm wide, flat to commonly inrolled, sheaths and collar usually hairless. Inflorescence 3.5–8 cm long, rachis slender and disarticulating at maturity, the internodes much <10 mm long. Spikelets 11–15 mm long, appressed to the main rachis, florets 3 to 6 per spikelet, glumes shorter than florets, tapering to an awn 12–18 mm long. Lemmas tapering to an awn 15–25 mm long, the awns strongly divergent at maturity (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## **Habitat**

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On exposed slopes especially in the subalpine to alpine (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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# Western Wheatgrass - *Elymus smithii*

[http://FieldGuide.mt.gov/detail\\_PMPOA7M010.aspx](http://FieldGuide.mt.gov/detail_PMPOA7M010.aspx)



**Global Rank:** G5  
**State Rank:** S5

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

## General Description

---

Rhizomatous. Stems mostly hairless and usually glaucous, 35–80 cm; blades 2–5 mm wide, often stiff and inrolled, sheaths and collar often hairless. Inflorescence 3–15 cm long, rachis continuous, the internodes <10 mm long. Spikelets (sometimes 2 per node) 10–29 mm long, appressed to the main rachis, florets mostly 4 to 9 per spikelet, glumes shorter than to as long as florets, rigid and gradually long-tapering from the base to a narrow sharp tip (the acuminate tip is often slightly curved). Lemmas awn-tipped or with an awn up to 5 (–10) mm (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## Habitat

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Open dry settings, often where historically disturbed (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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# Bluebunch Wheatgrass - *Elymus spicatus*

[http://FieldGuide.mt.gov/detail\\_PMPOA82010.aspx](http://FieldGuide.mt.gov/detail_PMPOA82010.aspx)



**Global Rank:** G5  
**State Rank:** S5

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

## General Description

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Bunchgrass. Stems 3–9 dm. Leaves: blades 1–3 mm wide, flat to rolled, sheath and collar often hairless. Inflorescence 4–20 cm long, rachis continuous, internodes >10 mm long. Spikelets 10–15(–26) mm long, appressed to the main rachis, florets mostly 3 to 7 per spikelet, glumes shorter than florets, awnless or short-awned. Lemmas hairless to inconspicuously hairy, with a divergent awn up to 2 cm long, rarely awnless (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## Habitat

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Open dry vegetation to open understory (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Awnless Wildrye - *Elymus submuticus*

[http://FieldGuide.mt.gov/detail\\_PMPOA2H0M3.aspx](http://FieldGuide.mt.gov/detail_PMPOA2H0M3.aspx)



**Status Under Review**

**Global Rank:** G4G5

**State Rank:** SU

### **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

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# Slender Wheatgrass - *Elymus trachycaulus*

[http://FieldGuide.mt.gov/detail\\_PMPOA2H0Q0.aspx](http://FieldGuide.mt.gov/detail_PMPOA2H0Q0.aspx)



**Global Rank:** G5  
**State Rank:** S4S5

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

## General Description

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Bunchgrass. Stems erect to sometimes decumbent, 3–10 dm. Leaf blades 3–8 mm wide, flat to rolled, ascending, leaf sheath and collar often hairless. Inflorescence 5–20 cm long, rachis continuous, the internodes <10 mm long. Spikelets (9–)12–18 mm long, appressed to the main rachis, florets mostly 3 to 7 per spikelet, glumes often nearly as long or longer than florets, glumes awn-tipped to long awned. Lemmas awn-tipped or sometimes with a straight awn up to 20 mm long (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## Habitat

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Open dry sites at lower elevations to the subalpine but ecologically confined to disturbance-prone settings (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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# Beardless Wildrye - *Elymus triticoides*

[http://FieldGuide.mt.gov/detail\\_PMPOA6P0E0.aspx](http://FieldGuide.mt.gov/detail_PMPOA6P0E0.aspx)



**Status Under Review**

**Global Rank:** G4G5  
**State Rank:** SU

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

## General Description

---

Rhizomatous. Stems 50-100 cm. Leaves: blades 3-8 mm (-10 mm in cultivation) wide, flat to inrolled, somewhat stiff. Inflorescence 5-14 cm long, the rachis continuous and erect. Spikelets mostly 2 per node, 10-18 mm long; glumes linear and with a very narrow pointed tip, 1-veined, tapered to mostly an awn tip. Lemmas 3 to 8 per spikelet, mostly hairless, tapered to an awn-tip or short awn that is <3 mm long (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## Habitat

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Dry montane meadows where disturbance is somewhat regular (overgrazing) (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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# Virginia Wildrye - *Elymus virginicus*

[http://FieldGuide.mt.gov/detail\\_PMPOA2H1U0.aspx](http://FieldGuide.mt.gov/detail_PMPOA2H1U0.aspx)



**Status Under Review**

**Global Rank:** G5  
**State Rank:** SU

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

## General Description

---

Bunchgrass. Stems 8–13 dm. Leaves: blades 5–12 mm wide, flat. Inflorescence 6–12 cm long, the rachis continuous and erect. Spikelets usually 2 per node, 10–13 mm long; glumes distinctly broadest in the lower half, with 3 to 5 veins, the base yellowish, distinctly indurate, distally tapering to a short awn or awn-tip. Lemmas mostly 2 to 4 per spikelet, essentially hairless, bearing a straight awn 10–20 mm long (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## Habitat

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Shady moist understory settings at lower elevations (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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# Giant Helleborine - *Epipactis gigantea*

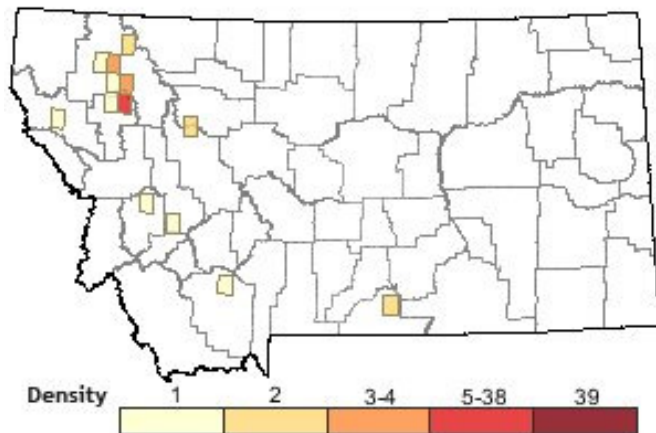
[http://FieldGuide.mt.gov/detail\\_PMORC11010.aspx](http://FieldGuide.mt.gov/detail_PMORC11010.aspx)



## Species of Concern

**Global Rank:** G4  
**State Rank:** S3

**AGENCY STATUS**  
**USFWS:**  
**USFS:** SENSITIVE  
**BLM:**



**Number of Observations:** 59

## General Description

Giant Helleborine is a large perennial herb with leafy stems that are 30-100 cm tall and which arise from short rhizomes. The leaves are without petioles and up to 20 cm long; the lower are ovate, while the upper are lance-shaped. The herbage is rough to the touch or smooth and glabrous. The numerous flowers are borne singly in a long, narrow, leafy-bracted inflorescence located at the tops of the stems. The lance-shaped sepals are green with brownish stripes and approximately 15 mm long. The upper two petals are shorter and broader than the sepals. The lower petal is sac-like and longer and more reddish than the sepals. The nodding capsule is elliptic and bears many thousands of tiny seeds.

## Habitat

Stream banks, lake margins, fens with springs and seeps, often near thermal waters.

## Eastern Helleborine - *Epipactis helleborine*

[http://FieldGuide.mt.gov/detail\\_PMORC11020.aspx](http://FieldGuide.mt.gov/detail_PMORC11020.aspx)



**Exotic Species (not native to Montana)**

**Global Rank:** GNR

**State Rank:** SNA

**AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

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# Stinkgrass - *Eragrostis cilianensis*

[http://FieldGuide.mt.gov/detail\\_PMPOA2K070.aspx](http://FieldGuide.mt.gov/detail_PMPOA2K070.aspx)



**Exotic Species (not native to Montana)**

**Global Rank:** GNR

**State Rank:** SNA

**AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

## General Description

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Stems spreading to ascending, 10–40 cm long. Leaves: blades 1–3 mm wide. Inflorescence a contracted to open panicle 7–15 cm long. Spikelets 6–10 mm long. Lemmas about 10 to 30 per spikelet. Inhabiting disturbed areas along roadsides, pastures, and fields on well-drained soils (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## Habitat

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Inhabiting disturbed areas along roadsides, pastures, and fields on well-drained soils (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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# Teal Lovegrass - *Eragrostis hypnoides*

[http://FieldGuide.mt.gov/detail\\_PMPOA2K0S0.aspx](http://FieldGuide.mt.gov/detail_PMPOA2K0S0.aspx)



**Status Under Review**

**Global Rank:** G5  
**State Rank:** SU

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

## General Description

---

Stems spreading, 10–30 cm long. Leaves: blades 1–3 mm wide. Inflorescence a contracted to open panicle 2–5 cm long. Spikelets 5–8 mm long. Lemmas about 7 to 20 florets (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## Habitat

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Mud flats, gravel and sand bars, and sandy banks mostly along the Yellowstone and Missouri Rivers in MT (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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# Little Lovegrass - *Eragrostis minor*

[http://FieldGuide.mt.gov/detail\\_PMPOA2K110.aspx](http://FieldGuide.mt.gov/detail_PMPOA2K110.aspx)



**Exotic Species (not native to Montana)**

**Global Rank:** GNR

**State Rank:** SNA

**AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

## General Description

---

Stems spreading, 5–30 cm long. Leaves: blades 1–3.5 mm wide. Inflorescence an open panicle 5–12 cm long. Spikelets 4–8 mm long. Lemmas 10 to 19 per spikelet (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## Habitat

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Frequently disturbed settings such as cracks in or along sidewalks, driveways, and parking lots, and along roads and railroad tracks (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Purple Lovegrass - *Eragrostis pectinacea*

[http://FieldGuide.mt.gov/detail\\_PMPOA2K190.aspx](http://FieldGuide.mt.gov/detail_PMPOA2K190.aspx)



**Status Under Review**

**Global Rank:** G5  
**State Rank:** SU

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

### General Description

---

Stems 1–5 dm long. Leaves: blades 2–3 mm wide. Inflorescence an open panicle 5–20 cm long. Spikelets 5–8 mm long. Lemmas 6 to 12 per spikelet (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### Habitat

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Sporadic in MT and known from disturbed sites including sandy or gravelly banks of the Yellowstone and Big Horn Rivers (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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# Annual False Wheatgrass - *Eremopyrum triticeum*

[http://FieldGuide.mt.gov/detail\\_PMPOA2N030.aspx](http://FieldGuide.mt.gov/detail_PMPOA2N030.aspx)



**Exotic Species (not native to Montana)**

**Global Rank:** GNR

**State Rank:** SNA

## **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

## **General Description**

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Cool season annual bunchgrass. Stems erect to somewhat spreading, 15–30 cm. Leaves: blades flat to inrolled, ascending, 2–6 mm wide; sheaths with overlapping margins; ligule membranous. Inflorescence 1–2 cm long, a bilateral terminal spike with a continuous rachis. Spikelets one per node, 8–12 mm long with several florets very crowded and diverging at wide angles (40–80°), the internodes 1/10 - 1/8 the length of the spikelets; glumes smaller than lemmas; glumes and lemmas becoming hardened or bony in texture at maturity. Lemmas tapering to an awn-tip; palea enclosed by lemma. Disarticulation below the glumes; unit of dispersal the burr-like spike of spikelets (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## **Habitat**

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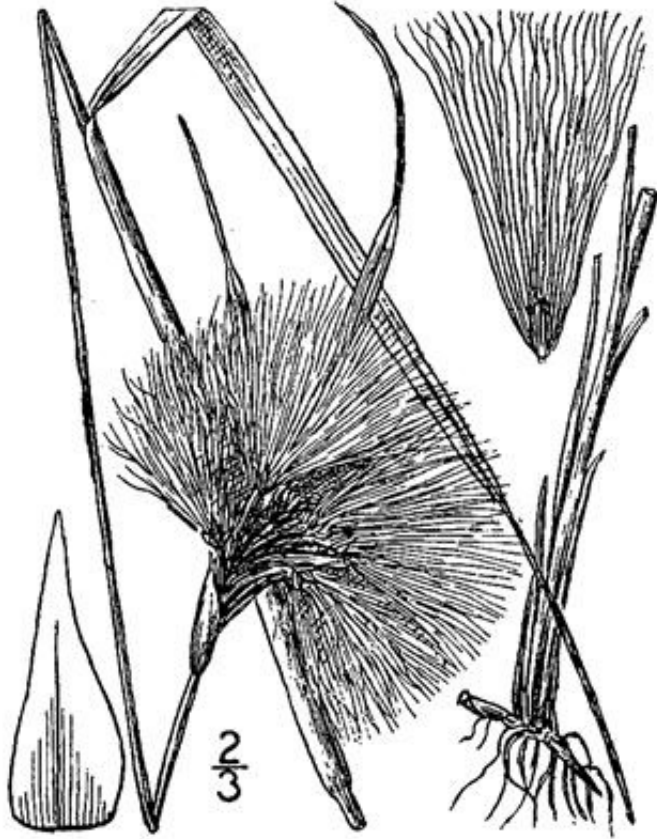
Roadsides, gravel pits, margins of garbage dumps, and other regularly disturbed settings with sandy or gravelly soils where competition with other grasses is minimal (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Narrowleaf Cotton-grass - *Eriophorum angustifolium*

[http://FieldGuide.mt.gov/detail\\_PMCYP0A030.aspx](http://FieldGuide.mt.gov/detail_PMCYP0A030.aspx)



**Global Rank:** G5  
**State Rank:** SNR

### **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

### **General Description**

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Rhizomatous. Stems 15–50 cm. Leaves: flat; blades 2–5 mm wide. Inflorescence 2 to 8 nodding, pedunculate spikelets; bracts =2, leaf-like as long as the inflorescence. Spikelets 1–2 cm long in fruit; lowest scale smaller than the spikelet. Fertile scales brown to greenish black with a pale midvein not reaching the tip, 5–10 mm long. Bristles white. Achene 2–5 mm long, minutely apiculate (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### **Habitat**

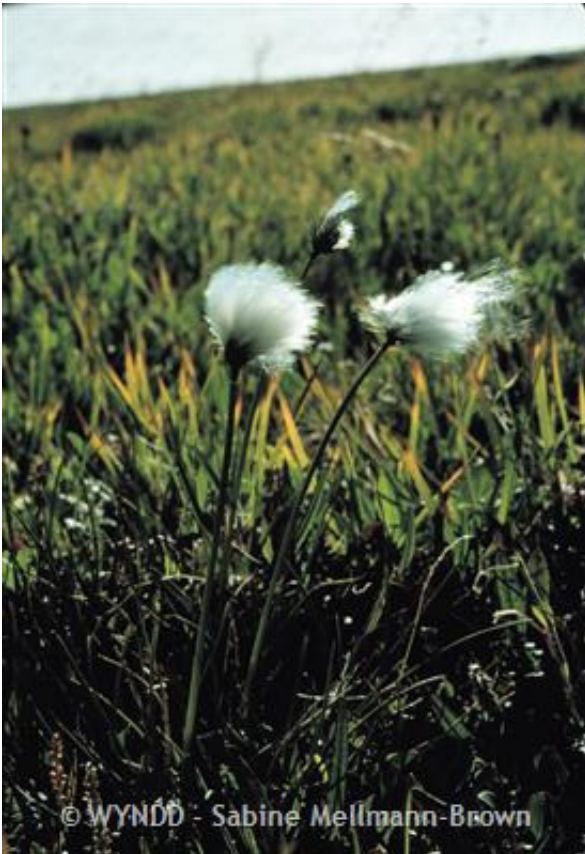
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Organic soil of fens, wet meadows; valleys to lower subalpine (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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# Sheathed Cotton-grass - *Eriophorum callitrix*

[http://FieldGuide.mt.gov/detail\\_PMCYP0A050.aspx](http://FieldGuide.mt.gov/detail_PMCYP0A050.aspx)



## Species of Concern

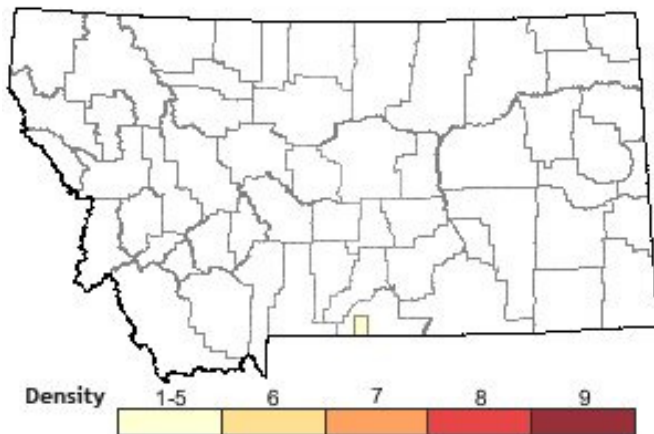
**Global Rank:** G5  
**State Rank:** S2S3

## AGENCY STATUS

**USFWS:**

**USFS:**

**BLM:**



**Number of Observations:** 5

## General Description

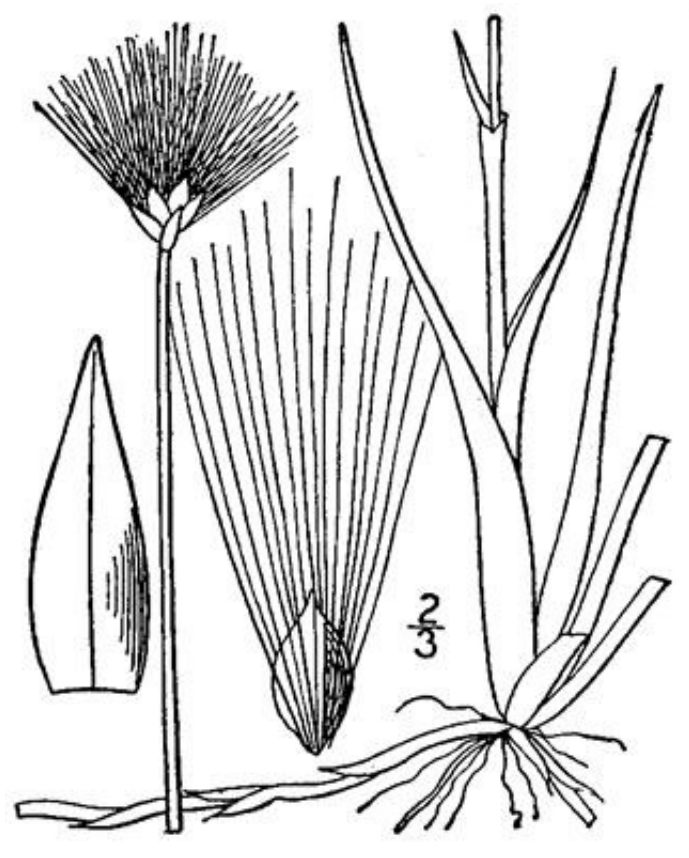
Sheathed Cotton-grass is a grass-like perennial with dense clusters of erect stems that are 8-25 cm high. The stiff leaves are 1-2 mm wide and grouped near the base. The upper leaves have reduced blades and broad sheaths that surround the stem. Flowers are borne in a solitary head-like spikelet at the stem tips that resembles a ball of cotton and is 15-25 mm high. Each flower consists of a lance-shaped, greenish black scale and numerous long, shining, white bristles at the base of the ovary. The seeds are ca. 2 mm long, and mature bristles are ca. 2 cm long.

## Habitat

Wet, organic soils in alpine tundra.

## Russet Cotton-grass - *Eriophorum chamissonis*

[http://FieldGuide.mt.gov/detail\\_PMCYP0A060.aspx](http://FieldGuide.mt.gov/detail_PMCYP0A060.aspx)



**Global Rank:** G5  
**State Rank:** S4

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

### General Description

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Rhizomatous. Stems 15–60 cm. Leaves: upper leaf blades rudimentary; lower blades V-shaped or trinagular in cross-section, 1–2 mm wide. Inflorescence a solitary, erect spikelet; bracts absent. Spikelets 15–35 mm long in fruit; lowest scale lanceolate, shorter than the spikelet. Fertile scales brown to black with pale margins, 4–7 mm long. Bristles becoming tawny-brown. Achene 2–3 mm long, apiculate (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### Habitat

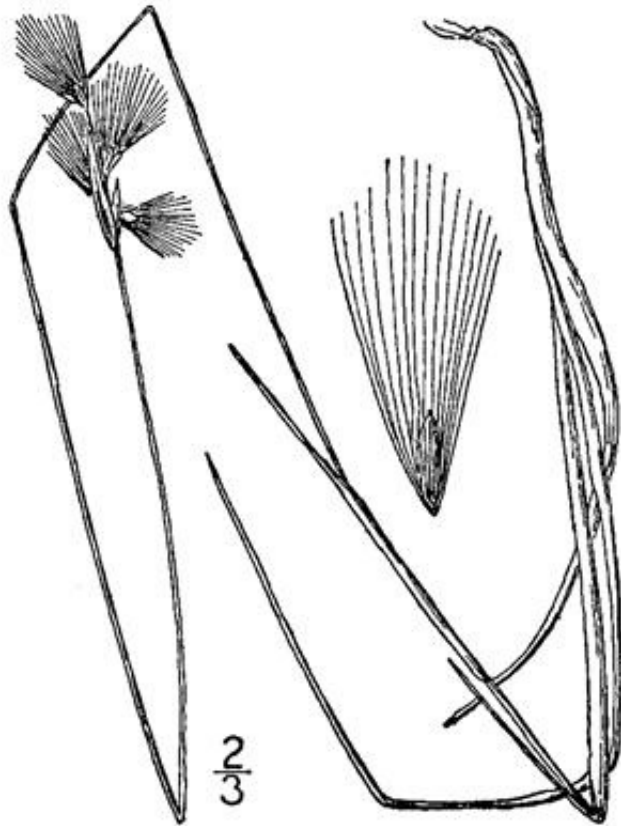
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Organic soil of fens, wet meadows; valleys to lower subalpine (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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# Slender Cottongrass - *Eriophorum gracile*

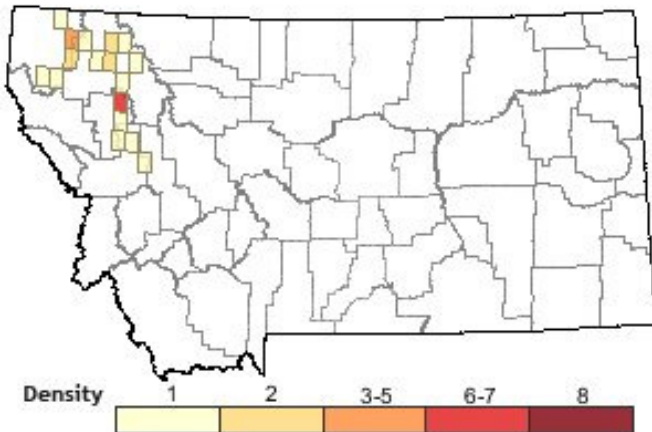
[http://FieldGuide.mt.gov/detail\\_PMCYP0A080.aspx](http://FieldGuide.mt.gov/detail_PMCYP0A080.aspx)



## Species of Concern

**Global Rank:** G5  
**State Rank:** S3

**AGENCY STATUS**  
**USFWS:**  
**USFS:** SENSITIVE  
**BLM:**



**Number of Observations:** 30

## General Description

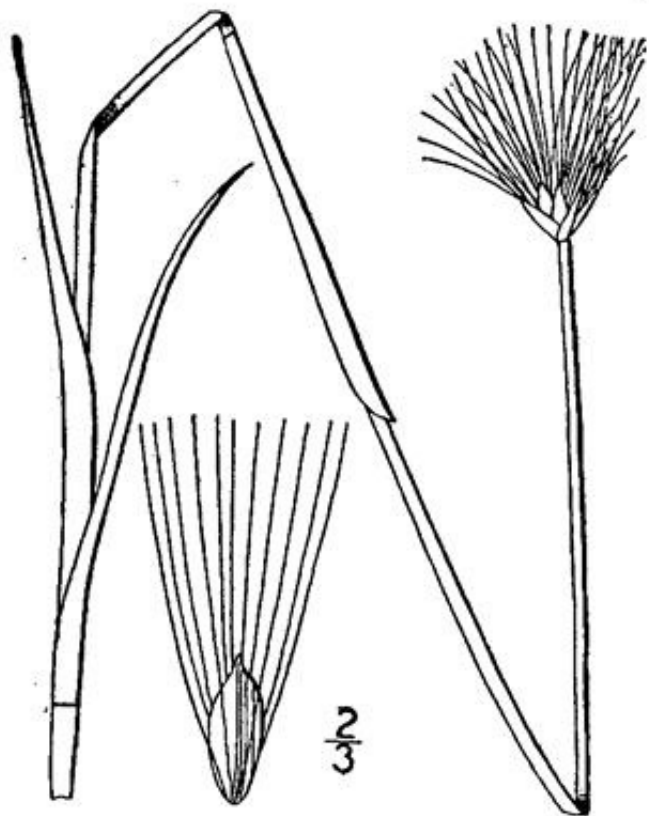
Slender Cottongrass is a grass-like perennial with single erect stems that are 2-6 dm high and which arise from slender rhizomes. The long basal and stem leaves are only 1-2 mm wide and deeply channeled or triangular in cross-section except near the stem. The uppermost leaf has a blade that is shorter than the sheathing portion surrounding the stem. Flowers are borne in 2-5, stalked, head-like spikelets arising from the stem tips and subtended by a single green, leaf-like bract that is shorter than the inflorescence. The spikelet stalks are covered with dense, short, soft hairs. Each flower consists of numerous long, shining, white bristles at the base of the ovary and a lance-shaped, greenish black or brown scale with a slender midrib that ends well below the tip. The light brown seeds are 2-4 mm long and 3-5 times as long as wide. The mature bristles are ca. 2 cm long.

## Habitat

Wet, organic soil of fens from low to moderate elevations.

## Scheuchzer Cotton-grass - *Eriophorum scheuchzeri*

[http://FieldGuide.mt.gov/detail\\_PMCYP0A0A0.aspx](http://FieldGuide.mt.gov/detail_PMCYP0A0A0.aspx)



**Status Under Review**

**Global Rank:** G5

**State Rank:** SU

**AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

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# Green-keeled Cottonsedge - *Eriophorum viridicarinatum*

[http://FieldGuide.mt.gov/detail\\_PMCYP0A0E0.aspx](http://FieldGuide.mt.gov/detail_PMCYP0A0E0.aspx)



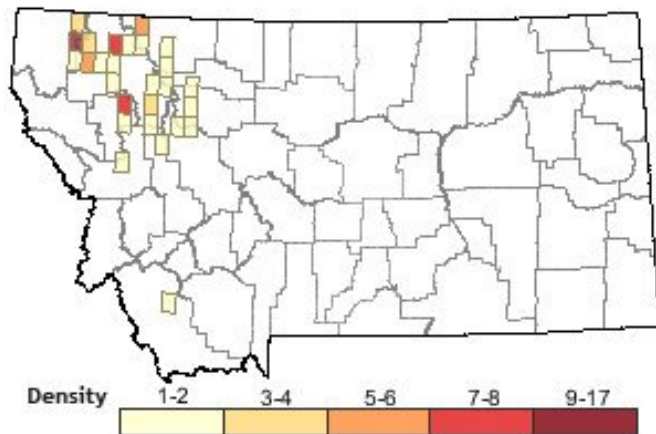
**Global Rank:** G5  
**State Rank:** S4

## **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**



**Number of Observations:** 89

## **General Description**

Rhizomatous. Stems 25–60 cm. Leaves: flat; blades 2–5 mm wide. Inflorescence 2 to 10 nodding, pedunculate spikelets; bracts =2, leaf-like, as long as the inflorescence. Spikelets 15–30 mm long in fruit; lowest scale ca. as long as the spikelet. Fertile scales 4–6 mm long, greenish black with a pale midvein that reaches the tip. Bristles whitish. Achene 2–4 mm long, minutely apiculate (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## **Habitat**

Wet, organic soil of (often calcareous) fens in the valleys and montane zone.

# Glacier Lily - *Erythronium grandiflorum*

[http://FieldGuide.mt.gov/detail\\_PMLILOU050.aspx](http://FieldGuide.mt.gov/detail_PMLILOU050.aspx)



**Global Rank:** G5  
**State Rank:** S5

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

## General Description

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Scapose, glabrous perennials from slender bulbs. Scape erect, 7–30 cm, ebracteate. Leaves 2, basal, short-petiolate; the blade 5–20 cm long, narrowly elliptic, fleshy. Inflorescence solitary or few terminal, nodding flowers. Flowers regular, narrowly campanulate, opening to star-shaped in full sun; tepals yellow, rarely white, separate, narrowly lanceolate, 15–40 mm long, reflexed during the day; stamens shorter than tepals; anthers yellow or red; stigma capitate or 3-lobed. Fruit an erect, oblong-ovoid, 3-lobed, many-seeded capsule 25–50 long (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

We have varieties *grandiflorum* and *candidum*.

## Habitat

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Mostly montane to subalpine.

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# White Glacier Lily - *Erythronium grandiflorum* var. *candidum*

[http://FieldGuide.mt.gov/detail\\_PMLIL0U057.aspx](http://FieldGuide.mt.gov/detail_PMLIL0U057.aspx)



**Status Under Review**

**Global Rank:** G5T3T4

**State Rank:** S3?

**AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

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## Glacier Lily - *Erythronium grandiflorum* var. *grandiflorum*

[http://FieldGuide.mt.gov/detail\\_PMLILOU059.aspx](http://FieldGuide.mt.gov/detail_PMLILOU059.aspx)



**Global Rank:** G5T5  
**State Rank:** S5

### **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

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# Tall Fescue - *Festuca arundinacea*

[http://FieldGuide.mt.gov/detail\\_PMPOA3U070.aspx](http://FieldGuide.mt.gov/detail_PMPOA3U070.aspx)



**Exotic Species (not native to Montana)**

**Global Rank:** GNR

**State Rank:** SNA

## **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

## **General Description**

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Sometimes with short rhizomes. Stems mostly 90–150 cm. Leaves: blades 5–12 mm wide, flat. Inflorescence a contracted panicle 10–30 cm long. Spikelets 9–15 mm long, with mostly 4 to 8 florets. Lemmas awn-tipped or awn up to 4 mm long (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## **Habitat**

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Moist meadows and along ditch banks and irrigated fields (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Baffin Fescue - *Festuca baffinensis*

[http://FieldGuide.mt.gov/detail\\_PMPOA2V060.aspx](http://FieldGuide.mt.gov/detail_PMPOA2V060.aspx)



**Status Under Review**

**Global Rank:** G5  
**State Rank:** SU

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

### General Description

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Perennial bunchgrass. Stems 10–20 cm. Leaves: blades ca. 1 mm wide, inrolled. Inflorescence a narrow panicle 1–3 cm long, the peduncle hairy and usually pigmented with a dark purplish color. Spikelets 4–7 mm long with 3 to 4 florets. Lemmas with an awn tip or awn =2.5 mm long (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### Habitat

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Alpine meadows (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Shortleaf Fescue - *Festuca brachyphylla*

[http://FieldGuide.mt.gov/detail\\_PMPOA2V070.aspx](http://FieldGuide.mt.gov/detail_PMPOA2V070.aspx)



**Status Under Review**

**Global Rank:** G5

**State Rank:** SU

### **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

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## Rough Fescue - *Festuca campestris*

[http://FieldGuide.mt.gov/detail\\_PMPOA2V1B0.aspx](http://FieldGuide.mt.gov/detail_PMPOA2V1B0.aspx)



**Global Rank:** G5?  
**State Rank:** S5

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

### General Description

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Perennial bunchgrass. Stems 60–100 cm. Leaves: blades 1–2 mm wide, inrolled to partially flattened, distinctly scabrous; old leaf sheaths persistent in tuft. Inflorescence a narrow panicle 5–15 cm long. Spikelets 8–12 mm long, with 4 to 6 florets. Lemmas awnless or awn-tipped (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### Habitat

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Grasslands; valleys to montane (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Plains Rough Fescue - *Festuca hallii*

[http://FieldGuide.mt.gov/detail\\_PMPOA2V1A0.aspx](http://FieldGuide.mt.gov/detail_PMPOA2V1A0.aspx)



**Status Under Review**

**Global Rank:** G4  
**State Rank:** SNR

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

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# Idaho Fescue - *Festuca idahoensis*

[http://FieldGuide.mt.gov/detail\\_PMPOA2V0H1.aspx](http://FieldGuide.mt.gov/detail_PMPOA2V0H1.aspx)



**Global Rank:** G5  
**State Rank:** S5

## **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

## **General Description**

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Stems 10–80 cm. Leaves: blades 1 mm wide, inrolled. Inflorescence an open panicle 2–20 cm long, the peduncle glabrous and usually greenish in color. Spikelets 5–10 mm long, with 3 to 7 florets. Lemmas with an awn tip or awn =5 mm long (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX). We do not yet have descriptive information on this species. Please try the buttons above to search for information from other sources.

## **Habitat**

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Grasslands, meadows at all elevations (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Smallflower Fescue - *Festuca minutiflora*

[http://FieldGuide.mt.gov/detail\\_PMPOA2V1M0.aspx](http://FieldGuide.mt.gov/detail_PMPOA2V1M0.aspx)



**Global Rank:** G5  
**State Rank:** SNR

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

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## Western Fescue - *Festuca occidentalis*

[http://FieldGuide.mt.gov/detail\\_PMPOA2V0M0.aspx](http://FieldGuide.mt.gov/detail_PMPOA2V0M0.aspx)



**Global Rank:** G5  
**State Rank:** S4

### **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

### **General Description**

---

Perennial bunchgrass. Stems 40–100 cm. Leaves: blades 1 mm wide, smooth to slightly scabrous. Inflorescence an open, often drooping panicle 5–12 cm long. Spikelets 6–9 mm long, with 3 to 5 florets. Lemmas with a slender, flexuous awn 4–12 mm long (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### **Habitat**

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Moist soils of forest understory, along streams, lakes; valleys to subalpine (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Sheep Fescue - *Festuca ovina*

[http://FieldGuide.mt.gov/detail\\_PMPOA2V0N0.aspx](http://FieldGuide.mt.gov/detail_PMPOA2V0N0.aspx)



**Exotic Species (not native to Montana)**

**Global Rank:** GNR

**State Rank:** SNA

### **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

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# Meadow Fescue - *Festuca pratensis*

[http://FieldGuide.mt.gov/detail\\_PMPOA3U080.aspx](http://FieldGuide.mt.gov/detail_PMPOA3U080.aspx)



**Exotic Species (not native to Montana)**

**Global Rank:** G5

**State Rank:** SNA

## **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

## **General Description**

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Stems mostly 50–100 cm. Leaves: blades 3–7 mm wide, flat. Inflorescence a contracted, erect to nodding, panicle 10–23 cm long. Spikelets 6–9 mm long, with 4 to 9 florets. Lemmas awnless (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## **Habitat**

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Moist meadows and pastures at lower elevations (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Red Fescue - *Festuca rubra*

[http://FieldGuide.mt.gov/detail\\_PMPOA2V0Q0.aspx](http://FieldGuide.mt.gov/detail_PMPOA2V0Q0.aspx)



**Global Rank:** G5  
**State Rank:** SU

### **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

### **General Description**

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Perennial bunchgrass or not with well-developed, slender rhizomes. Stems 20–80 cm. Leaves: blades 1–1.5 mm wide, inrolled; lower sheaths reddish or brown, becoming fibrous in age. Inflorescence a loosely contracted panicle 7–15 cm long. Spikelets 6–8 mm long, with 4 to 7 florets. Lemmas with an awn 1–3 mm long (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### **Habitat**

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Throughout nearly all of N. America, both native and introduced from Eurasia (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Rocky Mountain Fescue - *Festuca saximontana*

[http://FieldGuide.mt.gov/detail\\_PMPOA2V0R0.aspx](http://FieldGuide.mt.gov/detail_PMPOA2V0R0.aspx)



**Status Under Review**

**Global Rank:** G5

**State Rank:** SU

### **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

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# Nodding Fescue - *Festuca subulata*

[http://FieldGuide.mt.gov/detail\\_PMPOA2V0T0.aspx](http://FieldGuide.mt.gov/detail_PMPOA2V0T0.aspx)



**Global Rank:** G5  
**State Rank:** S3S4

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

## General Description

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Perennial bunchgrass. Stems loosely bunched, 60–100 cm. Leaves: blades 4–10 mm wide, flat. Inflorescence an open panicle with drooping branches, 8–25 cm long. Spikelets 7–10 mm long with 3 to 5 florets. Lemmas with an awn 5–15 mm long (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## Habitat

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Open forest, riparian woodlands; valleys, montane (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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# Mountain Fescue - *Festuca viridula*

[http://FieldGuide.mt.gov/detail\\_PMPOA2V0Z0.aspx](http://FieldGuide.mt.gov/detail_PMPOA2V0Z0.aspx)



**Global Rank:** G5  
**State Rank:** S4

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

## General Description

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Perennial bunchgrass. Stems 40–80 cm. Leaves: blades 1.5–2 mm wide, flat. Inflorescence an open panicle 6–15 cm long. Spikelets 8–11 mm long, with 3 to 7 florets. Lemmas unawned or awned to 1.5 mm (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## Habitat

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Grasslands, meadows; subalpine, alpine (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Northern Fescue - *Festuca viviparoidea*

[http://FieldGuide.mt.gov/detail\\_PMPOA2V1X0.aspx](http://FieldGuide.mt.gov/detail_PMPOA2V1X0.aspx)



### Species of Concern

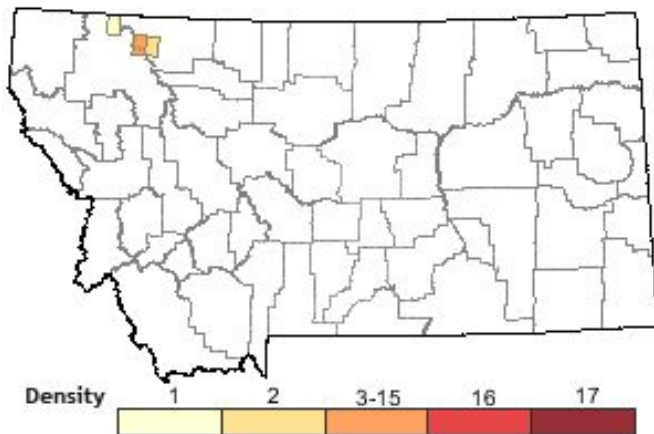
**Global Rank:** G4G5  
**State Rank:** S2?

### AGENCY STATUS

**USFWS:**

**USFS:**

**BLM:**



**Number of Observations:** 18

### General Description

Viviparous Fescue is a perennial which forms small tufts of leaves and stems that are up to 20 cm high. The leaves are ca. 1 mm wide with inrolled margins, and the membranous crest where the blade meets the stem (ligule) is less than 0.5 mm long. Foliage is glabrous. Each spikelet consists of a pair of glumes that are ca. 3 mm long and of 3-5 sterile lemmas that enfold a small, vegetative, grasslike plant that is shaped like a long-necked vase. Spikelets on short, ascending stalks are borne in a dense, unbranched inflorescence at the top of the stem.

### Habitat

Grows in moist alpine tundra.



# Chocolate Lily - *Fritillaria atropurpurea*

[http://FieldGuide.mt.gov/detail\\_PMLILOV020.aspx](http://FieldGuide.mt.gov/detail_PMLILOV020.aspx)



**Global Rank:** G5  
**State Rank:** S4

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

## General Description

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Stems 10–60 cm. Leaves numerous, some nearly whorled, linear-lanceolate, 4–12 cm × 2–10 mm. Flowers 1 to 4, broadly campanulate; tepals mottled purple, brown, and yellow, lanceolate, 1–2 cm long. Capsule erect, obovoid, 6-winged, 15–20 mm long (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## Habitat

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Grasslands, sagebrush steppe, badlands, drier open forests, thickets; plains, valleys, montane (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Yellowbells - *Fritillaria pudica*

[http://FieldGuide.mt.gov/detail\\_PMLILOVOG0.aspx](http://FieldGuide.mt.gov/detail_PMLILOVOG0.aspx)



**Global Rank:** G5  
**State Rank:** S5

### **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

### **General Description**

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Stems 8–30 cm. Leaves 2–4, linear-oblong, 3–12 cm long, clustered near midstem. Flowers solitary, campanulate; tepals yellow, oblong, 1–2 cm long. Capsule erect, obovoid, 15–35 mm long, rounded on top (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### **Habitat**

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Grasslands, sagebrush steppe, open forest; valleys to montane (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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# Boreal Mannagrass - *Glyceria borealis*

[http://FieldGuide.mt.gov/detail\\_PMPOA2Y030.aspx](http://FieldGuide.mt.gov/detail_PMPOA2Y030.aspx)



**Global Rank:** G5  
**State Rank:** S4

## **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

## **General Description**

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Stems 80–150 cm. Leaves: leaf blades 2–5 (7) mm wide, ligules 5–11 mm long. Inflorescence a narrow panicle 20–45 cm long, branches ascending. Spikelets 8–15 mm long, round in cross-section. Lemmas 8 to 12 per spikelet (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## **Habitat**

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Wet meadows and along stream and lake margins (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).)

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# Tall Mannagrass - *Glyceria elata*

[http://FieldGuide.mt.gov/detail\\_PMPOA2Y060.aspx](http://FieldGuide.mt.gov/detail_PMPOA2Y060.aspx)



**Global Rank:** G4G5  
**State Rank:** S4

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

## General Description

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Stems 1–2 m. Leaves: blades 6–10 mm wide, ligules 2–6 mm long. Inflorescence an open panicle 15–30 cm long, the branches spreading and often drooping. Spikelets 3–5 mm long, laterally compressed. Lemmas 2 to 7 per spikelet (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## Habitat

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Wet areas along streams and lake margins (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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# American Mannagrass - *Glyceria grandis*

[http://FieldGuide.mt.gov/detail\\_PMPOA2Y080.aspx](http://FieldGuide.mt.gov/detail_PMPOA2Y080.aspx)



**Global Rank:** G5  
**State Rank:** S4

## **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

## **General Description**

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Stems 1–2 m. Leaves: blades 2–12 mm wide, ligules mostly 5–7 mm long. Inflorescence an open diffuse panicle, 20–40 cm long, the branches spreading and often drooping. Spikelets 3–7 mm long, laterally compressed. Lemmas 2 to 7 (rarely 8) per spikelet (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## **Habitat**

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Banks of streams and along lake margins (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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# Fowl Mannagrass - *Glyceria striata*

[http://FieldGuide.mt.gov/detail\\_PMPOA2Y0K0.aspx](http://FieldGuide.mt.gov/detail_PMPOA2Y0K0.aspx)



**Global Rank:** G5  
**State Rank:** S4

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

## General Description

---

Stems often bunched, 30-100 cm. Leaves: blades 2–5 mm wide, ligules 1–4 mm long. Inflorescence an open panicle, 10–20 cm long, branches spreading but if ascending then the tips drooping. Spikelets 2–4 mm long. Lemmas 2 to 7 florets per spikelet (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## Habitat

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Common along lake shores and in wet meadows (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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# Giant Rattlesnake-plantain - *Goodyera oblongifolia*

[http://FieldGuide.mt.gov/detail\\_PMORC17010.aspx](http://FieldGuide.mt.gov/detail_PMORC17010.aspx)



**Global Rank:** G5?  
**State Rank:** S4S5

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

## General Description

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Stems 15–40 cm. Leaf blades elliptic, 3–7 cm long, usually white-variegated with a white midvein. Inflorescence 5–13 cm long, spiraled or 1-sided; bracts 3–10 mm long. Flowers: lateral sepals 4–7 mm long; hood 5–8 mm long; lip petal 4–6 mm long. Capsule 7–10 mm long (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## Habitat

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Moist to wet coniferous forest; valleys to lower subalpine (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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# Northern Rattlesnake-plantain - *Goodyera repens*

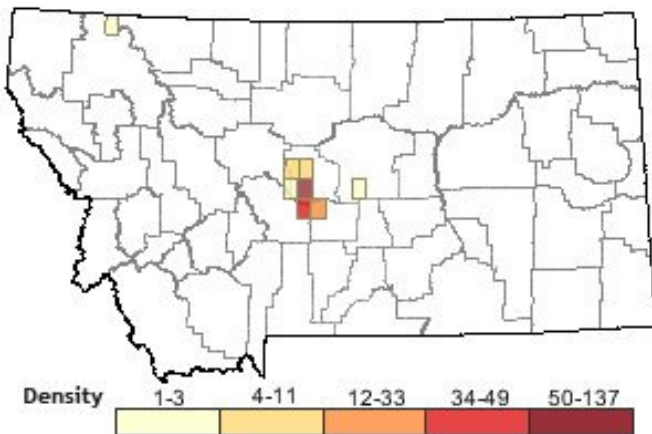
[http://FieldGuide.mt.gov/detail\\_PMORC17030.aspx](http://FieldGuide.mt.gov/detail_PMORC17030.aspx)



## Species of Concern

**Global Rank:** G5  
**State Rank:** S3

**AGENCY STATUS**  
**USFWS:**  
**USFS:** SENSITIVE  
**BLM:**



**Number of Observations:** 251

## General Description

Northern Rattlesnake-plantain is an herbaceous perennial with unbranched stems that are 1-2 dm high and which arise from extensive rhizomes. The mostly basal leaves have a broad petiole that is 5-15 mm long and an elliptic blade that is 15-30 cm long. The leaves are dark green, and the stem is glandular above. Sessile flowers are borne on one side of the upper stem. The white to pale green flowers consist of a hood-like upper petal that is 3-4 mm long and of a pouched lower petal that is ca. 2 mm deep and has a sepal on each side. The corolla arises from the top of the oblong ovary. The club-shaped, many-seeded capsule is ca. 1 cm long.

## Habitat

North-facing, mossy forested slopes in the montane zone.



# Spike-oat - *Helictotrichon hookeri*

[http://FieldGuide.mt.gov/detail\\_PMPOA32040.aspx](http://FieldGuide.mt.gov/detail_PMPOA32040.aspx)



**Status Under Review**

**Global Rank:** G5  
**State Rank:** SU

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

## General Description

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Cool season, perennial bunchgrass Stems 20–40 cm. Leaves: ascending, the larger blades (2-)3–4 mm wide, flat to folded along midrib; sheaths with overlapping margins; ligule membranous. Inflorescence a contracted panicle 2–11 cm long. Spikelets 11–15 mm long with mostly 3 to 6 florets; glumes nearly enclosing the florets. Lemmas 3–5 mm long, uniformly awned from the middle, the awns twisted and bent; palea well developed. Disarticulation above glumes; unit of dispersal the floret (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## Habitat

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Northern plains and middle to high elevation montane meadows and open understory. (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Orange Daylily - *Hemerocallis fulva*

[http://FieldGuide.mt.gov/detail\\_PMLIL11010.aspx](http://FieldGuide.mt.gov/detail_PMLIL11010.aspx)



**Exotic Species (not native to Montana)**

**Global Rank:** GNA

**State Rank:** SNA

**AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

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# Drummond's Hemicarpha - *Hemicarpha drummondii*

[http://FieldGuide.mt.gov/detail\\_PMCYP0H050.aspx](http://FieldGuide.mt.gov/detail_PMCYP0H050.aspx)



## Species of Concern

**Global Rank:** G4G5  
**State Rank:** SH

## AGENCY STATUS

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

## General Description

Drummond's Hemicarpha is a tufted, grass-like annual with fibrous roots and slender stems that are up to 10 cm tall. The few, narrow leaves are borne near the base. Flowers are borne in 1-3 egg-shaped, pine cone-like sessile inflorescences, or spikes, that are subtended by 2-3 green, leaf-like bracts. One bract is held nearly erect and appears to be a continuation of the stem. Each spike is composed of numerous, spirally arranged, pointed scales. Each of these outer scales subtends a smaller, membranous inner scale, an ovary, and a single stamen. The fruit is a flattened, egg-shaped achene that is smaller than the inner scale.

Lesica (2012) treats this in the genus *Lipocarpha*.

## Habitat

Reported elsewhere on moist, sandy soil along rivers and streams in the valleys.

# Water Star-grass - *Heteranthera dubia*

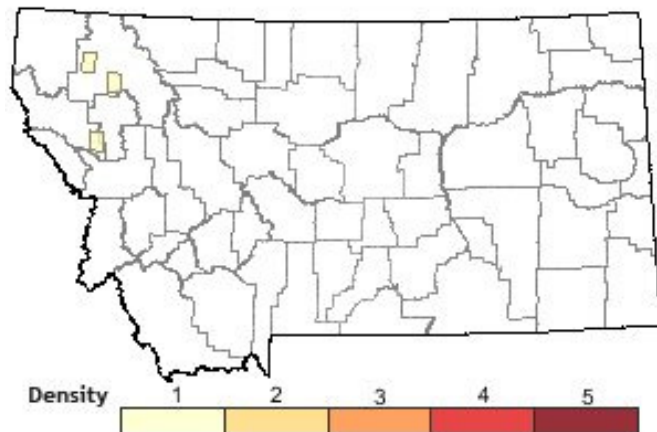
[http://FieldGuide.mt.gov/detail\\_PMPON03010.aspx](http://FieldGuide.mt.gov/detail_PMPON03010.aspx)



## Species of Concern

**Global Rank:** G5  
**State Rank:** S1S2

**AGENCY STATUS**  
**USFWS:**  
**USFS:** SENSITIVE  
**BLM:**



**Number of Observations:** 3

## General Description

Water Star-grass is a submerged or partially floating, herbaceous perennial with long, flaccid stems that root at the nodes. The alternate, linear leaves are 7-15 cm long and have membranous wings at the base that clasp the stem. The solitary flowers are borne on stalks that elongate out of a tubular sheath, or spathe, that is borne in the upper leaf axils. Each small, yellow flower has 3 each of narrow, undifferentiated petals and sepals that are ca. 5 mm long and a long, slender basal tube that is 2-4 cm long and that appears to be a continuation of the stalk. Flowers float on the surface of the water. The fruit is a many-seeded capsule.

## Habitat

Shallow water of riverine sloughs, backwaters; valleys (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

# Common Velvetgrass - *Holcus lanatus*

[http://FieldGuide.mt.gov/detail\\_PMPOA37010.aspx](http://FieldGuide.mt.gov/detail_PMPOA37010.aspx)



**Exotic Species (not native to Montana)**

**Global Rank:** GNR

**State Rank:** SNA

## **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

## **General Description**

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Cool season, perennial bunchgrass. Stems 30–80 cm, covered with dense soft hairs, , often decumbent and rooting at nodes. Leaves: blades 4–8 mm wide, flat and lax to ascending; sheaths with overlapping margins; ligule membranous. Inflorescence a contracted panicle 8–15 cm long, opening up at or after anthesis. Spikelets with 2 florets 3.5–4.5 mm long; glumes enclosing the florets. Lemmas 2 per spikelet; lower floret unawned and fruit bearing, upper lemma staminate and with a hooked awn; palea well developed. Disarticulation below glumes and tardily above the glumes; unit of dispersal the spikelet or floret (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## **Habitat**

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Frequently disturbed sites, pastures, roadsides, croplands (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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# Meadow Barley - *Hordeum brachyantherum*

[http://FieldGuide.mt.gov/detail\\_PMPOA38020.aspx](http://FieldGuide.mt.gov/detail_PMPOA38020.aspx)



**Global Rank:** G5  
**State Rank:** S4

## **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

## **General Description**

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Perennial. Stems 25–60 cm. Leaves: lower blades and sheaths usually hairless, blades flat to folded, 1–3 mm wide. Inflorescence erect, 2–6 cm long; the inflorescence rachis disarticulating. Spikelets: the 2 laterals sterile, the pedicel 0.5–1 mm long; glumes awn-like, 7–15 mm long (rarely to 30 mm). Lemmas: fertile lemma 7–8 mm long (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## **Habitat**

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Montane meadows and along streams (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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# Foxtail Barley - *Hordeum jubatum*

[http://FieldGuide.mt.gov/detail\\_PMPOA38070.aspx](http://FieldGuide.mt.gov/detail_PMPOA38070.aspx)



**Global Rank:** G5  
**State Rank:** S5

## **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

## **General Description**

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Perennial. Stems 20–70 cm tall; lower blades and sheaths usually hairless, less commonly hairy, blades flat, lax, 2–5 mm wide. Inflorescence lax, 5–12 cm long, rachis disarticulating at maturity. Spikelets the 2 laterals sterile, the pedicel 0.5–1.5 mm long; glumes awn-like, 25–75 mm long. Lemmas: fertile lemma 6–8 mm long (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## **Habitat**

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Common in frequently disturbed open dry sites (e.g., roadsides, trail sides, pastures, vacant lot, and overgrazed rangeland), including area of high salinity (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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# Mediterranean or Sea Barley - *Hordeum marinum*

[http://FieldGuide.mt.gov/detail\\_PMPOA38090.aspx](http://FieldGuide.mt.gov/detail_PMPOA38090.aspx)



**Exotic Species (not native to Montana)**

**Global Rank:** GNR

**State Rank:** SNA

## **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

## **General Description**

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Annual. Stems few bunched, often bent at nodes on dried specimens, 10–40 cm. Leaves: lower blades and sheaths usually hairy, blades flat, 2–4 mm wide. Inflorescence erect, 1–3 cm long; rachis disarticulating. Spikelets: the 2 laterals sterile, the pedicel 0.5–1 mm long; glumes awn-like, 8–15 mm long. Lemmas: fertile lemma 5–6.5 mm long (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## **Habitat**

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Frequently disturbed settings, alkaline soils (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Mouse Barley - *Hordeum murinum*

[http://FieldGuide.mt.gov/detail\\_PMPOA380A0.aspx](http://FieldGuide.mt.gov/detail_PMPOA380A0.aspx)



**Exotic Species (not native to Montana)**

**Global Rank:** GNR

**State Rank:** SNA

### **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

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# Little Barley - *Hordeum pusillum*

[http://FieldGuide.mt.gov/detail\\_PMPOA380B0.aspx](http://FieldGuide.mt.gov/detail_PMPOA380B0.aspx)



**Global Rank:** G5  
**State Rank:** S4

## **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

## **General Description**

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Annual. Stems 10–30 cm tall; lower sheaths and blades hairless to hairy, blades flat, 1–4 mm wide. Inflorescence erect, 2–7 cm long, rachis disarticulating at maturity. Spikelets: the 2 laterals staminate, the pedicel 0.5–1 mm long; glumes awn-like but distinctly broad above the base, 8–14 mm long. Lemmas: fertile lemma 5–7 mm long (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## **Habitat**

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Open dry disturbed sites especially where water intermittently stands; e.g., depressions in pastures, rangeland, and roadsides (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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# Common Barley - *Hordeum vulgare*

[http://FieldGuide.mt.gov/detail\\_PMPOA380C0.aspx](http://FieldGuide.mt.gov/detail_PMPOA380C0.aspx)



**Exotic Species (not native to Montana)**

**Global Rank:** GNR

**State Rank:** SNA

## **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

## **General Description**

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Annual (winter or spring). Stems 50–120 cm. Leaves: lower sheaths and blades usually hairless; blades flat, 6–15 mm wide. Inflorescence erect, 6–12 cm long, rachis not readily disarticulating at maturity. Spikelets all fertile in six-row barley, the laterals sterile in two-row barley, pedicel about 0.5 mm long; glumes awn-like though slightly broadened above the base, 8–15 mm long. Lemmas: fertile lemma 8–12 mm long, the awns of some varieties of barley are >4 cm long, while other varieties lack such an awn (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## **Habitat**

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Cultivated grain crop, escapes not persisting (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Western Blue Iris - *Iris missouriensis*

[http://FieldGuide.mt.gov/detail\\_PMIRI090L0.aspx](http://FieldGuide.mt.gov/detail_PMIRI090L0.aspx)



**Global Rank:** G5  
**State Rank:** S4

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

### General Description

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Stems 10–50 cm. Leaves basal, 10–40 cm × 3–8 mm wide. Inflorescence of 1 to 3 flowers; spathes inflated, united at the base, sometimes membranous-margined, 4–8 cm long; pedicels 2–5 cm long. Flowers: sepals 4–6 cm long, whitish with a yellow midstripe and blue veins and margins; petals blue, 3–4 cm long; lobes of style branch white, 3–6 mm long. Capsule ellipsoid, 2–4 cm long (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### Habitat

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Moist to wet meadows thickets, woodland margins; plains, valleys, montane (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Yellow Iris - *Iris pseudacorus*

[http://FieldGuide.mt.gov/detail\\_PMIRI090T0.aspx](http://FieldGuide.mt.gov/detail_PMIRI090T0.aspx)



**Noxious Weed**

**Exotic Species (not native to Montana)**

**Global Rank:** GNR

**State Rank:** SNA

**AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

### General Description

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Stems clumped, 35–90 cm. Leaves basal and cauline, 5–60 cm × 6–15 mm. Inflorescence of 3 to 10 flowers, often branched above; spathes 4–7 cm long; the outer keeled; pedicels 2–4 cm long. Flowers: sepals 5–6 cm long, yellow with brown penciling; petals yellow, ca. 3 cm long; lobes of style branches yellow, fringed, ca. 5 mm long. Capsule obovoid, 3-angled, 3–7 cm long (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### Habitat

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Marshes, wet meadows, irrigation ditches; valleys (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Tapered Rush - *Juncus acuminatus*

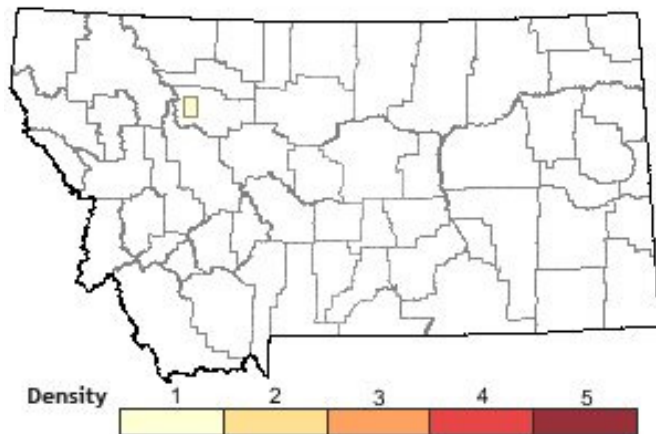
[http://FieldGuide.mt.gov/detail\\_PMJUN01030.aspx](http://FieldGuide.mt.gov/detail_PMJUN01030.aspx)



### Species of Concern

**Global Rank:** G5  
**State Rank:** S1

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**



**Number of Observations:** 1

### General Description

Tapered Rush is a tufted, grass-like perennial with erect stems that are 3-8 dm high and fibrous roots. Leaf blades septate: they are tubular and divided internally into cross-sections. The leaf sheaths surround the stem and have a pair of membranous appendages, or auricles, on either side where the blade is attached. Flowers are borne in 5-20 hemispheric heads on the ends of spreading stalks in an open inflorescence subtended by a single leaf-like bract. Each flower is subtended by a single scale-like bract and has 6 undifferentiated, sharply pointed perianth segments that are 3-4 mm long and light brown or greenish in color. There are usually only 3 stamens. The light brown, 3-sided seed capsules are lance-shaped and 3-4 mm long with pointed tips. Each seed is ca. 0.5 mm long and has a net-like surface with a short tip at one end.

### Habitat

Wet soil on the margins of ponds and marshes in the valley zone and on the plains.

## Northern Green Rush - *Juncus alpinoarticulatus*

[http://FieldGuide.mt.gov/detail\\_PMJUN01370.aspx](http://FieldGuide.mt.gov/detail_PMJUN01370.aspx)



**Global Rank:** G5  
**State Rank:** S4

### **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

### **General Description**

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Rhizomatous. Stems erect, terete, 10–40 cm, often tufted. Leaves basal and cauline; blades terete, 0.5–2 mm wide; auricles rounded. Inflorescence open with clusters of 3 to 6 flowers at tips and forks of erect branches; main bract smaller than the inflorescence. Flowers: prophylls absent; tepals mostly brown, 2–3 mm long; outer acute; inner rounded, slightly shorter; stamens 6. Capsules 2–3 mm long, barely exserted, rounded to the beak; seeds apiculate (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### **Habitat**

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Wet mineral or organic soil of stream banks and margins of ponds, fens; plains, valleys to lower subalpine (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Jointed Rush - *Juncus articulatus*

[http://FieldGuide.mt.gov/detail\\_PMJUN01090.aspx](http://FieldGuide.mt.gov/detail_PMJUN01090.aspx)



**Global Rank:** G5  
**State Rank:** SNR

### **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

### **General Description**

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Rhizomatous. Stems erect, terete, 10–70 cm, often tufted. Leaves basal and cauline; blades terete, 1–2 mm wide; auricles acute to rounded. Inflorescence open with erect to spreading branches and clusters of 3 to 10 flowers; main bract smaller than the inflorescence. Flowers: prophylls absent; tepals green to brown, 2–3 mm long, acute to acuminate, ca. equal; stamens 6. Capsules 3–4 mm long, exserted, acuminate, tapering to the beak; seeds with minute appendages (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### **Habitat**

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Wet mineral soil of stream or ditch banks, margins of lakes, wetlands; plains, valleys (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Baltic Rush - *Juncus balticus*

[http://FieldGuide.mt.gov/detail\\_PMJUN010A0.aspx](http://FieldGuide.mt.gov/detail_PMJUN010A0.aspx)



**Global Rank:** G5  
**State Rank:** S5

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

### General Description

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Strongly rhizomatous. Stems erect, terete, 15–90 cm, sometimes tufted. Leaves mainly basal; blades and auricles absent; sheaths light to dark brown. Inflorescence congested to open with sessile to pedicellate flowers; main bract terete, erect, appearing like a continuation of the stem. Flowers with prophylls; tepals brown to purple, 4–5 mm long, acuminate; stamens 6. Capsules 3–4 mm long, rounded to the beak; seeds apiculate (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### Habitat

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Wet mineral soil of meadows, low areas in grasslands, thickets, often along streams, ditches, tolerant of saline and alkaline conditions; plains, valleys to lower subalpine (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Two-flowered Rush - *Juncus biglumis*

[http://FieldGuide.mt.gov/detail\\_PMJUN010B0.aspx](http://FieldGuide.mt.gov/detail_PMJUN010B0.aspx)



**Global Rank:** G5  
**State Rank:** S3S4

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

### General Description

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Fibrous-rooted perennial forming small tufts. Stems erect, 2–10 cm. Leaves basal; blades channeled, 0.5–1.5 mm wide; auricles absent. Inflorescence a small head with 1 to 3 sessile flowers; main bract brown, greater than the inflorescence. Flowers: prophylls absent; tepals dark brown, 2–3 mm long, acute; stamens 6. Capsules 3–4 mm long, indented on top; seeds with a small appendage (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### Habitat

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Wet, cold, shallow soil of alpine seeps, rock ledges, along streams; alpine (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Shortleaf Rush - *Juncus brachyphyllus*

[http://FieldGuide.mt.gov/detail\\_PMJUN010F0.aspx](http://FieldGuide.mt.gov/detail_PMJUN010F0.aspx)



**Global Rank:** G5  
**State Rank:** SNR

### **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

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## Toad Rush - *Juncus bufonius*

[http://FieldGuide.mt.gov/detail\\_PMJUN010J0.aspx](http://FieldGuide.mt.gov/detail_PMJUN010J0.aspx)



**Global Rank:** G5  
**State Rank:** S4

### **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

### **General Description**

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Fibrous-rooted annual. Stems ascending to erect, terete, 2–15 cm, branched at the base. Leaves basal and cauline; blades channeled, <1 mm wide; auricles absent. Inflorescence open with ascending branches and clusters of 1 to 3 sessile flowers in axils of upper leaves (nodal bracts). Flowers with prophylls; tepals narrow, green with scarious margins, 4–7 mm long; outer acuminate; inner acute, shorter; stamens 6. Capsules 3–4 mm long, rounded at the tip; seeds apiculate (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### **Habitat**

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Vernally moist, often disturbed soil of meadows, stream banks, margins of ponds, wetlands; plains, valleys, montane (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Chestnut Rush - *Juncus castaneus*

[http://FieldGuide.mt.gov/detail\\_PMJUN010P0.aspx](http://FieldGuide.mt.gov/detail_PMJUN010P0.aspx)



**Global Rank:** G5  
**State Rank:** S3S4

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

### General Description

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Rhizomatous. Stems erect, terete, 5–30 cm, not tufted. Leaves basal and cauline; blades channeled or folded, 1–3 mm wide; auricles absent. Inflorescence 1 to 3 clusters of 2 to 8 flowers each; main bract usually greater than the inflorescence. Flowers: prophylls absent; tepals purple or brown, 4–6 mm long, narrow, acute; stamens 6. Capsules 5–8 mm long, exserted, acutely tapered to the beak; seed appendages 0.5–1 mm long (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### Habitat

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Wet, often gravelly soil in seepage areas in the alpine and subalpine zones.

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# Flattened Rush - *Juncus compressus*

[http://FieldGuide.mt.gov/detail\\_PMJUN010R0.aspx](http://FieldGuide.mt.gov/detail_PMJUN010R0.aspx)



**Exotic Species (not native to Montana)**

**Global Rank:** G5

**State Rank:** SNA

**AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

## General Description

Rhizomatous. Stems erect, terete, 10–40 cm, sometimes tufted. Leaves basal and cauline; blades flat or channeled, =1 mm wide; auricles rounded. Inflorescence open with 5–60 pedicellate flowers; main bract shorter or longer than the inflorescence. Flowers with prophylls; tepals purplish, 2–2.5 mm long, rounded, hood-like, inner shorter and wider; stamens 6. Capsules 2–3 mm long, exserted, rounded to the beak; seeds without appendages (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## Habitat

Gravelly or sandy riverbanks, roadside ditches; plains (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## Colorado Rush - *Juncus confusus*

[http://FieldGuide.mt.gov/detail\\_PMJUN010S0.aspx](http://FieldGuide.mt.gov/detail_PMJUN010S0.aspx)



**Global Rank:** G5  
**State Rank:** S4

### **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

### **General Description**

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Caespitose. Stems erect, terete, 10–60 cm. Leaves basal; blades flat or inrolled, <1 mm wide; auricles rounded, <1 mm long. Inflorescence congested with 3 to 25 subsessile flowers; main bract greater than the inflorescence.

Flowers with prophylls; tepals green to brown, 2–5 mm long with acute tips; stamens 6. Capsules 3–4 mm long, included, rounded and indented on top; seeds apiculate (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### **Habitat**

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Moist, often disturbed soil of meadows, open forest, rock outcrops, along trails, roads, streams; valleys to lower subalpine (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Coville's Rush - *Juncus covillei*

[http://FieldGuide.mt.gov/detail\\_PMJUN010V0.aspx](http://FieldGuide.mt.gov/detail_PMJUN010V0.aspx)



### Species of Concern

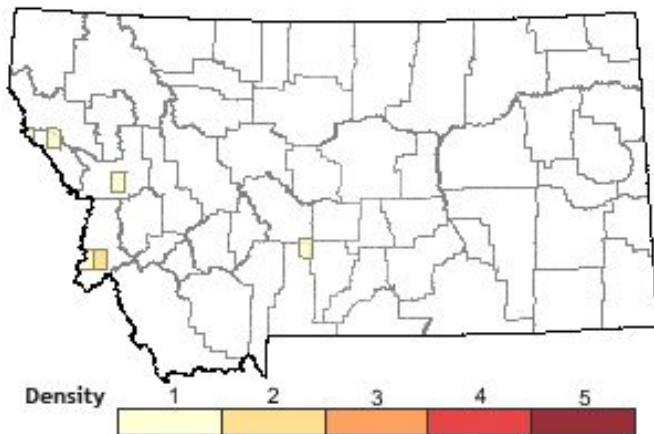
**Global Rank:** G5  
**State Rank:** S2S3

#### AGENCY STATUS

**USFWS:**

**USFS:**

**BLM:**



**Number of Observations:** 7

### General Description

Coville's Rush is a strongly rhizomatous, grass-like perennial with slightly flattened stems that are 5-20 cm tall. Leaves are clustered at the base with 2-4 on the stem. Leaf sheaths have membranous margins that project into a pair of appendages, or auricles, on either side of where the blade joins the stem. Usually 7 flowers are borne in 1-5 clusters at the top of the stem subtended by a leaf-like bract that is slightly longer than the inflorescence. Each flower is subtended by a single scale-like bract and has 6 dark brown perianth segments, or tepals, that are 3-4 mm long. The outer tepals are pointed at the tip, while the inner are rounded. There are 6 stamens, with the anthers about as long as the filaments. The narrowly egg-shaped capsule is 4-5 mm long and indented on top. Each seed is ca. 0.3 mm long and egg-shaped with a minute point at each end.

We have varieties *covillei* and *>obtusatus* C.L. Hitchc.

### Habitat

**Variety covillei** is typically found in moist, gravelly or sandy soil along major water courses in the valley zone. While **variety obtusatus** is found in moist to wet, often seepy soil of slopes and meadows in the montane and



subalpine zones.

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## Drummond's Rush - *Juncus drummondii*

[http://FieldGuide.mt.gov/detail\\_PMJUN010Z0.aspx](http://FieldGuide.mt.gov/detail_PMJUN010Z0.aspx)



**Global Rank:** G5  
**State Rank:** S4

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

### General Description

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Caespitose. Stems erect, terete, 6–35 cm. Leaves basally disposed; blades reduced to a bristle, sheaths brown; auricles absent. Inflorescence congested with 1 to 3 short-pedicellate flowers; main bract terete, erect, ca. as long as the inflorescence. Flowers with prophylls; tepals brown to purplish, 4–7 mm long, acuminate; stamens 6. Capsules 3–7 mm long, indented on top; seeds with long appendages (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### Habitat

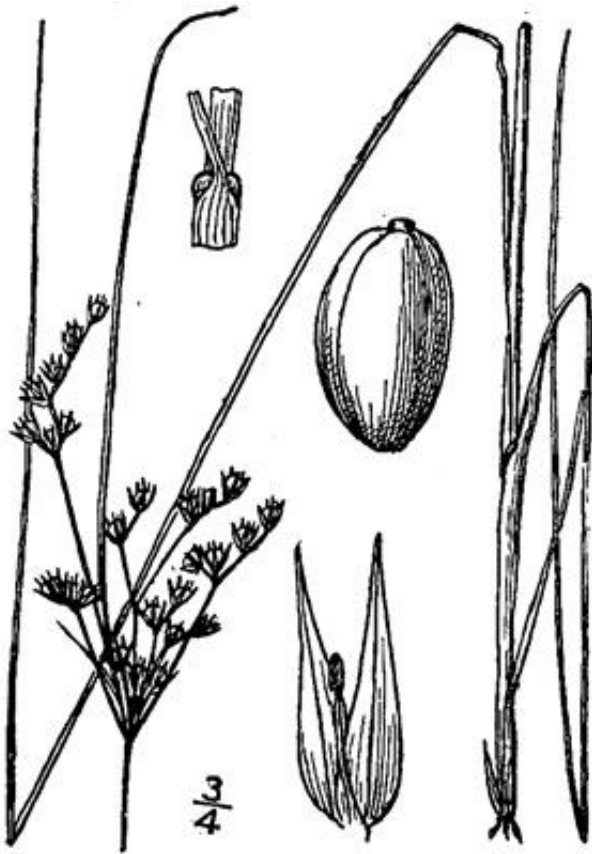
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Moist meadows, open forest, turf, often along streams, around boulders, or where snow accumulates; subalpine to alpine (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Dudley's Rush - *Juncus dudleyi*

[http://FieldGuide.mt.gov/detail\\_PMJUN01390.aspx](http://FieldGuide.mt.gov/detail_PMJUN01390.aspx)



**Global Rank:** G5  
**State Rank:** S4

### **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

### **General Description**

Caespitose. Stems erect, terete, 15–80 cm. Leaves basal; blades flat or inrolled, ca. 1 mm wide; auricles yellowish, thickened, <1 mm long. Inflorescence open to congested with 6 to 30 sessile flowers; main bract usually much greater than the inflorescence. Flowers with prophylls; tepals green, 3–5 mm long, subequal with acuminate tips; stamens 6. Capsules 2–4 mm long, rounded on top; seeds apiculate (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### **Habitat**

Meadows, margins of streams, ponds, lakes, ditches; plains, valleys (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## Soft Rush - *Juncus effusus*

[http://FieldGuide.mt.gov/detail\\_PMJUN01110.aspx](http://FieldGuide.mt.gov/detail_PMJUN01110.aspx)



**Status Under Review**

**Global Rank:** G5  
**State Rank:** SU

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

### General Description

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Short-rhizomatous, caespitose. Stems erect, terete, hollow, 40–100 cm. Leaves mainly basal; blades reduced to a bristle; auricles absent; sheaths purple to brown. Inflorescence open or congested with numerous, pedicellate flowers; bract terete, erect, appearing like a continuation of the stem. Flowers with prophylls; tepals brown with green midvein, 2–3 mm long, acuminate; stamens 3. Capsules ca. 2 mm long, truncate on top; seeds apiculate (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

Our plants are subspecies *effusus* which is introduced from Europe.

### Habitat

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Streambanks, wet meadows, marshes; valleys (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Three-stamened Rush - *Juncus ensifolius*

[http://FieldGuide.mt.gov/detail\\_PMJUN01130.aspx](http://FieldGuide.mt.gov/detail_PMJUN01130.aspx)



**Global Rank:** G5  
**State Rank:** S4

### **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

### **General Description**

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Rhizomatous. Stems erect, terete, 10–60 cm. Leaves basal and cauline; blades equitant (folded flat in half longitudinally), 1–5 mm wide; auricles absent. Inflorescence of capitate clusters, 3–12 mm across, each with 3 to many sessile flowers; main bract smaller than the inflorescence. Flowers: prophylls absent; tepals tan, black, or purplish, 3–4 mm long, acuminate; stamens 3 or 6. Capsules rounded on top, 3–4 mm long; seeds apiculate or with a short appendage (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### **Habitat**

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Moist to wet soil around seeps, ponds, lakes, along streams, ditches, plains, valleys to subalpine (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Thread Rush - *Juncus filiformis*

[http://FieldGuide.mt.gov/detail\\_PMJUN01150.aspx](http://FieldGuide.mt.gov/detail_PMJUN01150.aspx)



**Global Rank:** G5  
**State Rank:** SNR

### **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

### **General Description**

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Spreading-rhizomatous. Stems erect, terete, 4–30 cm. Leaves mainly basal; blades and auricles absent; sheaths green to light brown. Inflorescence congested with 5 to 20 short-pedicellate flowers; main bract terete, erect, appearing like a continuation of and often longer than the stem. Flowers with prophylls; tepals green to tan, 2–4 mm long, acuminate; stamens 6. Capsules 2–3 mm long, rounded on top; seeds unappendaged (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### **Habitat**

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Fens, lake margins; montane (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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# Black-grass Rush - *Juncus gerardii*

[http://FieldGuide.mt.gov/detail\\_PMJUN01180.aspx](http://FieldGuide.mt.gov/detail_PMJUN01180.aspx)



**Exotic Species (not native to Montana)**

**Global Rank:** G5

**State Rank:** SNA

**AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

## General Description

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Rhizomatous. Stems erect, terete, 10–40 cm. Leaves basal and cauline; blades flat or channeled, ca. 1 mm wide; auricles obscure. Inflorescence open with 10 to 30 pedicellate flowers; main bract smaller than the inflorescence. Flowers with prophylls; tepals green to tan, 2.5–3 mm long, rounded, hood-like, subequal; stamens 6. Capsules ca. 2.5 mm long, truncate on top; seeds without appendages (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## Habitat

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Wet, saline or alkaline meadows; valleys (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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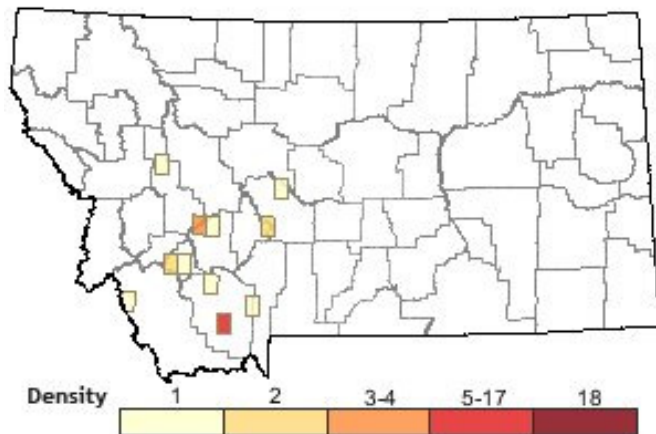
## Hall's Rush - *Juncus hallii*

[http://FieldGuide.mt.gov/detail\\_PMJUN011E0.aspx](http://FieldGuide.mt.gov/detail_PMJUN011E0.aspx)



**Global Rank:** G4G5  
**State Rank:** S4

**AGENCY STATUS**  
**USFWS:**  
**USFS:** SENSITIVE  
**BLM:**



**Number of Observations:** 32

### General Description

Hall's Rush is a perennial with erect stems that are 20-30 cm tall. The leaves, which are confined to near the base of the plant, are round and up to 15 cm long with a groove on the side facing the stem. The uppermost leaf has a sheath surrounding the stem but lacks a blade. The 2-6 flowers are borne in a loosely congested inflorescence subtended by an erect leaf, or bract. Because this involucral leaf is erect and round, it seems to be lateral rather than terminal. The flowers have 6 undifferentiated, sharply pointed perianth segments that are light brown with membranous margins and 4-5 mm long. The seed capsules are dark brown with a lobed top. Each seed is ca. 1 mm long with a distinct tail at each end.

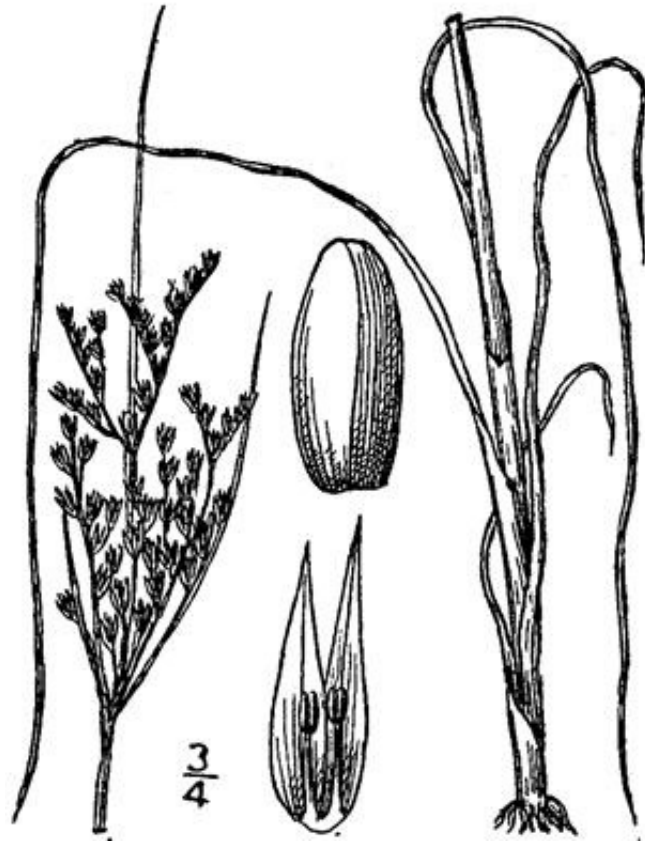
### Habitat

Subalpine parklands and moist meadows and slopes in the montane zone.



## Inland Rush - *Juncus interior*

[http://FieldGuide.mt.gov/detail\\_PMJUN011J0.aspx](http://FieldGuide.mt.gov/detail_PMJUN011J0.aspx)



**Global Rank:** G4G5  
**State Rank:** S4

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

### General Description

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Caespitose. Stems erect, terete, 6–70 cm. Leaves basal; blades flat or inrolled, =1 mm wide; auricles white or purplish, <1 mm long. Inflorescence congested with 3–30 sessile or short-pedicellate flowers; main bract usually greater than the inflorescence. Flowers with prophylls; tepals green, 3–5 mm long with acuminate tips; stamens 6. Capsules 3–4 mm long, rounded on top; seeds apiculate (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### Habitat

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Moist, disturbed soil on margins of ditches, streams, ponds; plains, valleys (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Long-styled Rush - *Juncus longistylis*

[http://FieldGuide.mt.gov/detail\\_PMJUN011P0.aspx](http://FieldGuide.mt.gov/detail_PMJUN011P0.aspx)



**Global Rank:** G5  
**State Rank:** S4

### **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

### **General Description**

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Rhizomatous. Stems erect, terete, 20–80 cm. Leaves basal and cauline; blades flat, 1–2 mm wide; auricles truncate, 1–3 mm long. Inflorescence of 1 to 5 subcapitate clusters of 3 to 12 sessile flowers each, 6–15 mm across; main bract much smaller than the inflorescence; bracteoles numerous, silvery-membranous. Flowers: prophylls absent; tepals silvery with a green and brown mid-stripe, 4–6 mm long, acute; stamens 6. Capsules 3–5 mm long, rounded on top; seeds apiculate (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### **Habitat**

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Moist to wet meadows on margins of streams, fens, seeps, ponds, tolerant of alkali; valleys, montane, rarely higher (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Mertens' Rush - *Juncus mertensianus*

[http://FieldGuide.mt.gov/detail\\_PMJUN011W0.aspx](http://FieldGuide.mt.gov/detail_PMJUN011W0.aspx)



**Global Rank:** G5  
**State Rank:** S4

### **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

### **General Description**

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Rhizomatous. Stems erect, terete, 5–35 cm, sometimes tufted. Leaves basal and cauline; blades terete, 1–2 mm wide; auricles acute to rounded, ca. 1 mm long. Inflorescence capitate with 1 cluster of 6 to 60 flowers, 8–15 mm across; main bract usually greater than the inflorescence. Flowers: prophylls absent; tepals purple to black, 3–5 mm long, acuminate; inner slightly shorter and broader; stamens 6. Capsules 2–4 mm long, rounded on top; seeds without appendages (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### **Habitat**

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Wet soil along streams, lakes, seeps; subalpine to alpine, rarely lower (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Nevada Rush - *Juncus nevadensis*

[http://FieldGuide.mt.gov/detail\\_PMJUN011Z0.aspx](http://FieldGuide.mt.gov/detail_PMJUN011Z0.aspx)



**Global Rank:** G5  
**State Rank:** S4

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

### General Description

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Rhizomatous. Stems erect, terete, 20–60 cm, sometimes tufted. Leaves basal and cauline; blades terete, septate, 1–2 mm wide; auricles acute to rounded, 1–3 mm long. Inflorescence open with erect to ascending branches and several clusters, 5–10 mm across, of 5 to 11 flowers each; main bract shorter than the inflorescence. Flowers: prophylls absent; tepals purple or brown, 3–4 mm long, acuminate; inner slightly smaller; stamens 6. Capsules 2.5–4 mm long, rounded on top; seeds apiculate (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

Our plants are variety *badius* (Suksd.) C.L.Hitchc.

### Habitat

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Moist to wet, sometimes gravelly soil around ponds, lakes, streams, rarely fens; valleys to lower subalpine (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Knotted Rush - *Juncus nodosus*

[http://FieldGuide.mt.gov/detail\\_PMJUN01210.aspx](http://FieldGuide.mt.gov/detail_PMJUN01210.aspx)



**Global Rank:** G5  
**State Rank:** S4

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

### General Description

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Rhizomatous. Stems erect, terete, 15–50 cm. Leaves basal and cauline; blades terete, septate, 0.5–2 mm wide; auricles rounded, ca. 1 mm long. Inflorescence open with erect to spreading branches and several clusters of 6 to 30 spreading flowers; main bract greater than the inflorescence. Flowers: prophylls absent; tepals green to light brown, 2.5–4 mm long, acuminate; subequal; stamens usually 6. Capsules 4–5 mm long, long-tapered to the beak; seeds apiculate (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### Habitat

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Wet meadows, wet gravelly soil along streams, ponds, lakes; plains, valleys, rarely montane (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Straight-leaf Rush - *Juncus orthophyllus*

[http://FieldGuide.mt.gov/detail\\_PMJUN01230.aspx](http://FieldGuide.mt.gov/detail_PMJUN01230.aspx)



**Status Under Review**

**Global Rank:** G5  
**State Rank:** SU

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

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## Parry's Rush - *Juncus parryi*

[http://FieldGuide.mt.gov/detail\\_PMJUN01250.aspx](http://FieldGuide.mt.gov/detail_PMJUN01250.aspx)



**Global Rank:** G4G5  
**State Rank:** S4

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

### General Description

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Caespitose. Stems erect, terete, 4–25 cm. Leaves mainly basal, bladeless; the 1 or 2 cauline leaves have terete blades <1 mm wide; auricles obscure. Inflorescence somewhat congested with 1 to 3 pedicellate flowers; main bract, terete, erect, greater than the inflorescence. Flowers with prophylls; tepals green to brown, 5–7 mm long, acuminate; stamens 6. Capsules 6–8 mm long, acute; seeds appendaged (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### Habitat

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Stony soil of dry to moist meadows, turf, outcrops, often near streams or shores; subalpine or alpine (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Regel's Rush - *Juncus regelii*

[http://FieldGuide.mt.gov/detail\\_PMJUN012D0.aspx](http://FieldGuide.mt.gov/detail_PMJUN012D0.aspx)



**Global Rank:** G4?  
**State Rank:** S4

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

### General Description

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Rhizomatous. Stems erect, compressed, 10–60 cm, often clustered. Leaves basal and cauline; blades flat, 1–3 mm wide; auricles small, pointed. Inflorescence open to congested with 1 to 5 clusters of 10 to 30 flowers; main bract usually shorter than the inflorescence. Flowers: prophylls absent; tepals brown with a broad green midstripe and silvery margins, 4.5–6 mm long, acute, apiculate, subequal; stamens 6. Capsules 4–5 mm long, truncate on top; seeds with appendages as long as the body (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### Habitat

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Marshes, fens, wet meadows, often along streams; montane, subalpine (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Slender Rush - *Juncus tenuis*

[http://FieldGuide.mt.gov/detail\\_PMJUN012S0.aspx](http://FieldGuide.mt.gov/detail_PMJUN012S0.aspx)



**Global Rank:** G5  
**State Rank:** S4

### **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

### **General Description**

---

Caespitose. Stems erect, terete, 10–60 cm. Leaves basal; blades flat or inrolled, <1 mm wide; auricles membranous, 2–5 mm long. Inflorescence open to congested with 5 to 40 sessile flowers; main bract greater than the inflorescence. Flowers with prophylls; tepals green, 3–4.5 mm long, subequal with acute tips; stamens 6. Capsules 2–4 mm long, rounded on top; seeds apiculate (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### **Habitat**

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Usually disturbed soil of meadows, open forest, roadsides; plains, valleys (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Torrey's Rush - *Juncus torreyi*

[http://FieldGuide.mt.gov/detail\\_PMJUN012V0.aspx](http://FieldGuide.mt.gov/detail_PMJUN012V0.aspx)



**Global Rank:** G5  
**State Rank:** S4

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

### General Description

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Rhizomatous. Stems erect, terete, 15–60 cm from tuberous-thickened rhizomes. Leaves basal and cauline; blades terete, septate, 1–3 mm wide; auricles rounded, 1–2 mm long. Inflorescence of 1 to 10 heads each with 25 to 100 sessile flowers, 10–15 mm across; some heads clustered; main bract terete, ascending, greater than the inflorescence. Flowers: prophylls absent; tepals green to tan, 3–4 mm long, long-acuminate; inner shorter; stamens 6. Capsules 4–6 mm long, long-tapered to the beak; seeds apiculate (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### Habitat

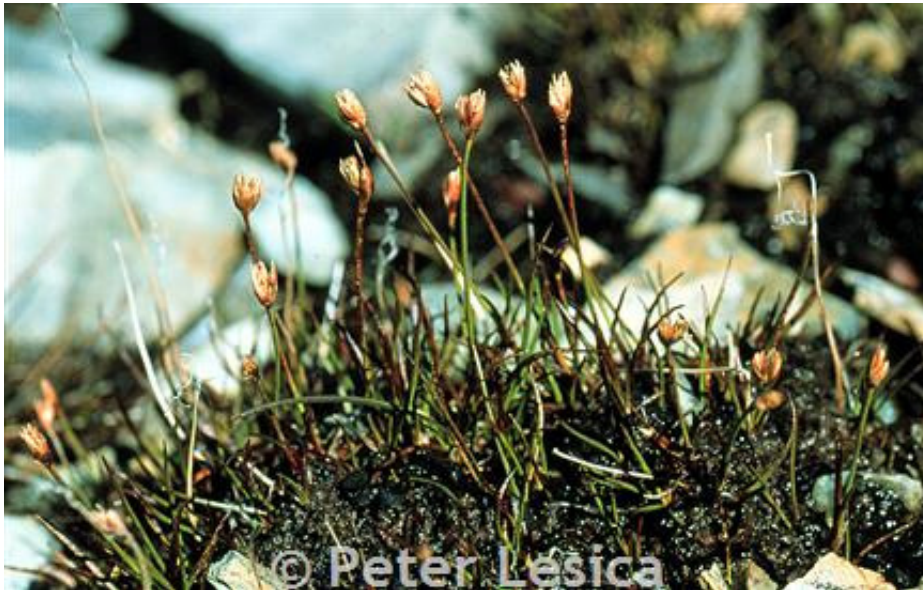
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Moist to wet meadows, margins of streams, ditches, ponds, often where saline or alkaline; plains, valleys, rarely higher (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Three-flowered Rush - *Juncus triglumis* var. *albescens*

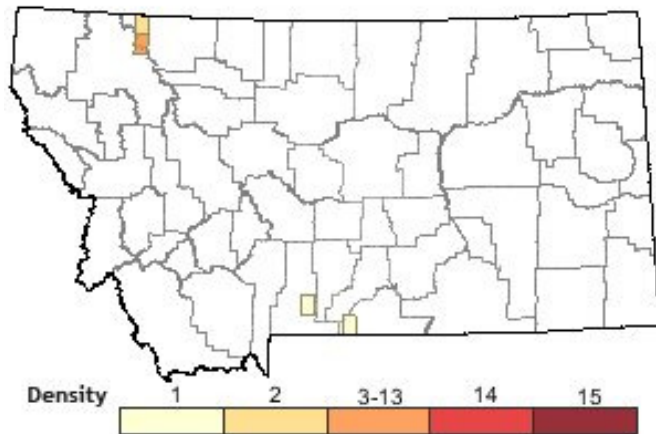
[http://FieldGuide.mt.gov/detail\\_PMJUN01060.aspx](http://FieldGuide.mt.gov/detail_PMJUN01060.aspx)



### Species of Concern

**Global Rank:** G5  
**State Rank:** S3

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**



**Number of Observations:** 17

### General Description

Three-flowered Rush is a small, tufted, grass-like perennial with stems that are 5-15 cm high. The basal leaves are 2-10 cm long, round in cross-section, and divided internally into sections (septate). Stem leaves are lacking. 2-4 flowers are borne in a solitary, terminal cluster that is subtended by 2 brown, papery bracts which are as long as the head. Each flower is subtended by a single scale-like bract and has 6 pale brown perianth segments, or tepals, that are ca. 4 mm long with rounded tips. There are 6 stamens. The brown capsule is 3-5 mm high and is rounded on top with a short beak; it is about as long as the tepals. Each seed is 1-2 mm long with a narrow, papery wing on each end.

### Habitat

Wet, organic soils and moist, well-developed turf in the alpine zone.

## Three-flowered Rush - *Juncus triglumis* var. *triglumis*

[http://FieldGuide.mt.gov/detail\\_PMJUN012Z2.aspx](http://FieldGuide.mt.gov/detail_PMJUN012Z2.aspx)



**Status Under Review**

**Global Rank:** G5  
**State Rank:** SU

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

### General Description

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Three-flowered Rush is a small, tufted, grass-like perennial with stems that are 4-8 cm high. The basal leaves are 1-6 cm long, round in cross-section, and septate. Stem leaves are lacking. 2-4 flowers are borne in a solitary, terminal cluster, subtended by 2 brown, papery bracts that are as long as the head. Each flower is subtended by a single scale-like bract and has 6 tepals that are ca. 4 mm long with rounded tips. There are 6 stamens. The brown capsule is 5-7 mm high, rounded on top with a short beak, and exerted beyond the tepals. Each seed is 2-3 mm long with a narrow, papery wing on each end.

### Habitat

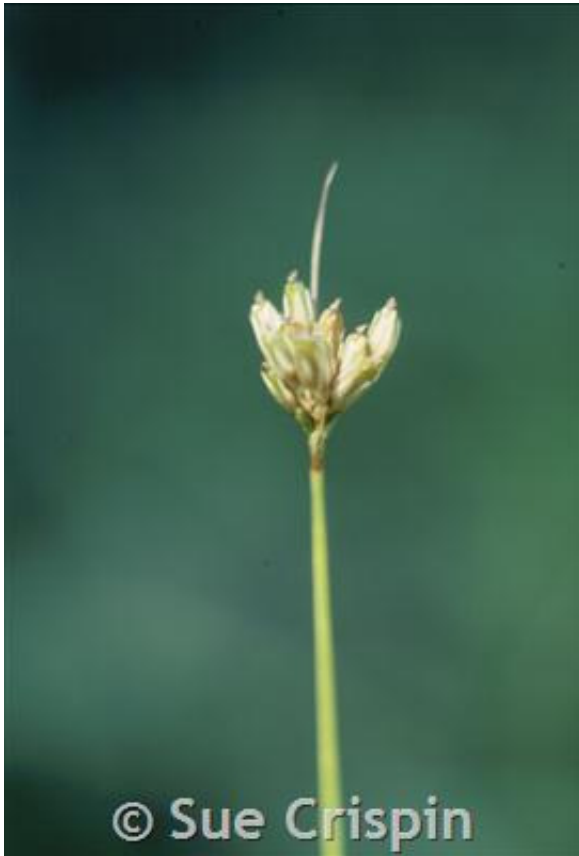
---

Wet, non-calcareous soil of seeps and fens in the alpine zone.

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## Vasey's Rush - *Juncus vaseyi*

[http://FieldGuide.mt.gov/detail\\_PMJUN01340.aspx](http://FieldGuide.mt.gov/detail_PMJUN01340.aspx)



**Status Under Review**

**Global Rank:** G5?

**State Rank:** SU

**AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

### General Description

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Short-rhizomatous, caespitose. Stems erect, terete, 20–100 cm. Leaves basal; blades terete, =1 mm wide; auricles scarious, whitish, minute. Inflorescence open to congested with 5 to 20 pedicellate flowers; bract shorter or greater than the inflorescence. Flowers with prophylls; tepals green to tan, 3.5–4.5 mm long, subequal with acuminate tips; stamens 6. Capsules 4–5 mm long, rounded on top; seeds short-appendaged (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Pacific Kobresia - *Kobresia myosuroides*

[http://FieldGuide.mt.gov/detail\\_PMCYP0F010.aspx](http://FieldGuide.mt.gov/detail_PMCYP0F010.aspx)



**Global Rank:** G5  
**State Rank:** SNR

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

### General Description

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Stems 5–15 cm. Leaves inrolled, erect, ca. 0.5 mm wide; basal bladeless. Inflorescence 6–17 mm long, a linear spike; bracts 3–5 mm long. Spikelets: upper male, 1-flowered; lower female, 1- or 2-flowered. Perigynia light brown, 2–4 mm long. Achenes 2–3 mm long (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### Habitat

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Moist to dry, often exposed turf; alpine (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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# Large-fruited Kobresia - *Kobresia sibirica*

[http://FieldGuide.mt.gov/detail\\_PMCYP0F020.aspx](http://FieldGuide.mt.gov/detail_PMCYP0F020.aspx)



## Species of Concern

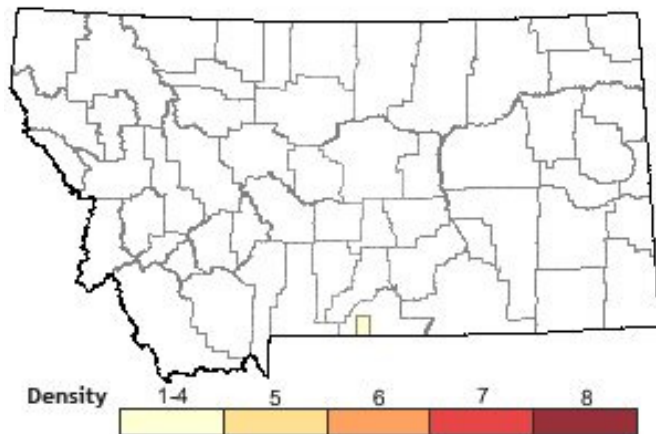
**Global Rank:** G5  
**State Rank:** S2

## AGENCY STATUS

**USFWS:**

**USFS:**

**BLM:**



**Number of Observations:** 4

## General Description

Large-fruited Kobresia is a tufted perennial with stems up to 20 cm high. It resembles a sedge (CAREX). The slender, wiry leaves are less than 1 mm wide and much shorter than the stem. The old, brown leaf bases are persistent at the stem base. Herbage is glabrous. The flowers are borne at the end of the stem in a slender, solitary spike that is 4-5 mm wide and 1-2 cm long. Each scale of the spike subtends 1-2 flowers, which are either male, female, or both. The 3-sided achene is loosely wrapped with a brown scale-like structure, or perigynium, that is 5-6 mm long.

## Habitat

Moist tundra, solifluction slopes, and gravelly lake shores in the alpine zone.

## Simple Kobresia - *Kobresia simpliciuscula*

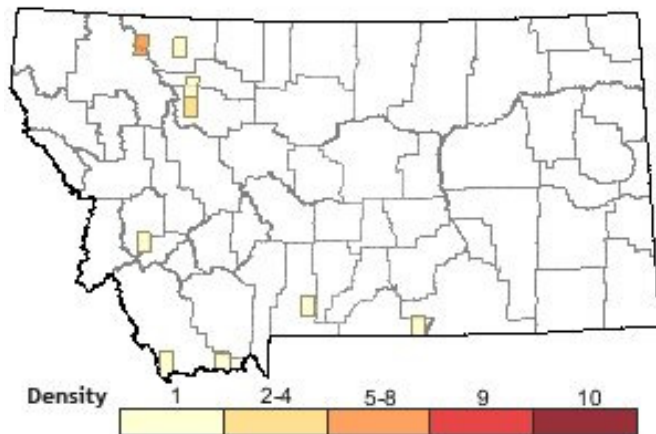
[http://FieldGuide.mt.gov/detail\\_PMCYP0F030.aspx](http://FieldGuide.mt.gov/detail_PMCYP0F030.aspx)



### Species of Concern

**Global Rank:** G5  
**State Rank:** S3

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:** SENSITIVE



**Number of Observations:** 19

### General Description

Simple Kobresia is a sedge-like plant that forms small bunches with triangular stems up to 15 cm tall. The leaves, which are confined to near the base of the plant, are flat or rolled and ca. 1 mm wide. Dried sheaths and blades persist at the base of the plant. The 3-12 small spikes are borne in a loosely congested inflorescence at the top of the stem. Each spike is 5-15 mm long, is subtended by a small, brown, papery bract, and consists of a few flowers; male flowers with anthers are located above female flowers. Each female flower is composed of a small bract and a scale that is loosely wrapped around the ovary.

### Habitat

Montane fens to moist tundra in the alpine zone.



## Prairie Junegrass - *Koeleria macrantha*

[http://FieldGuide.mt.gov/detail\\_PMPOA3G040.aspx](http://FieldGuide.mt.gov/detail_PMPOA3G040.aspx)



**Global Rank:** G5  
**State Rank:** S5

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

### General Description

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Cool season, perennial bunchgrass. Stems 20–60 cm. Leaves: blades 1–3 mm wide, flat and ascending; sheaths with overlapping margins; ligule membranous. Inflorescence a contracted to occasionally open pyramidal panicle 4–11 cm long. Spikelets 4–5 mm long with 2 to 4 florets; glumes somewhat enclosing the florets. Lemmas awnless or with a very short awn <1 mm long; palea very well developed. Disarticulation above glumes; unit of dispersal the floret or fruit (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### Habitat

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Low to middle elevations in sagebrush steppe, dry montane meadows, and other open dry sites with high native cover (indicative of infrequent disturbance). (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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# Rice Cutgrass - *Leersia oryzoides*

[http://FieldGuide.mt.gov/detail\\_PMPOA3L040.aspx](http://FieldGuide.mt.gov/detail_PMPOA3L040.aspx)



**Status Under Review**

**Global Rank:** G5  
**State Rank:** S2?

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

## General Description

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Cool season, rhizomatous perennial. Stems 80–160 cm, solitary to bunched, often rooting at nodes. Leaves: blades 7–14 mm wide, flat and lax; sheaths retrorsely scabrous with overlapping margins; ligules membranous, truncate, 0.8–1 mm long. Inflorescence an open panicle 10–25 cm long. Spikelets 4–5 mm long, with one floret; glumes lacking. Lemma bristly, awnless; palea equaling lemma and tightly clasped within it. Disarticulation above the glumes; dispersal unit the floret (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## Habitat

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Sporadic along fresh-water lake and stream margins (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Lesser Duckweed - *Lemna minor*

[http://FieldGuide.mt.gov/detail\\_PMLEM01020.aspx](http://FieldGuide.mt.gov/detail_PMLEM01020.aspx)



**Global Rank:** G5  
**State Rank:** S5

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

### General Description

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Frond ovate, 1–8 mm long; solitary or in small clusters, often purplish on the lower surface. Roots 1–15 mm long (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### Habitat

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Permanent fresh water of ponds, lakes, slow streams; plains, valleys, montane (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Star Duckweed - *Lemna trisulca*

[http://FieldGuide.mt.gov/detail\\_PMLEM01070.aspx](http://FieldGuide.mt.gov/detail_PMLEM01070.aspx)



**Global Rank:** G5  
**State Rank:** S4

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

### General Description

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Fronds shaped like canoe paddles, 6–12 mm long including the stipe, connected together, mainly green. Roots solitary or absent, 5–30 mm long (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### Habitat

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Fresh to somewhat saline or alkaline water of ponds, lakes, marshes; plains, valleys (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Turion Duckweed - *Lemna turionifera*

[http://FieldGuide.mt.gov/detail\\_PMLEM010A0.aspx](http://FieldGuide.mt.gov/detail_PMLEM010A0.aspx)



**Global Rank:** G5  
**State Rank:** SNR

### **AGENCY STATUS**

**USFWS:**

**USFS:**

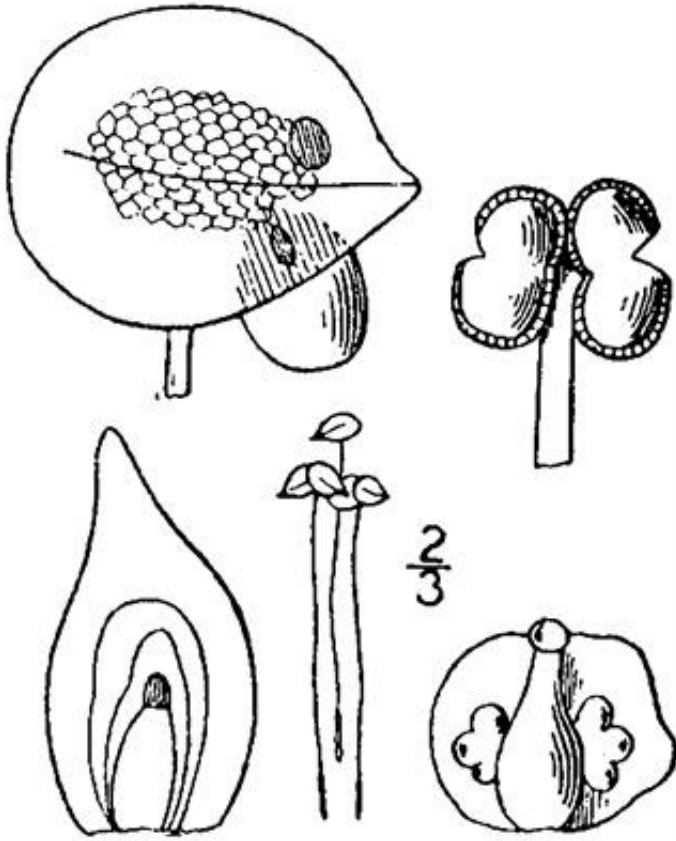
**BLM:**

**Number of Observations:** 0

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## Pale Duckweed - *Lemna valdiviana*

[http://FieldGuide.mt.gov/detail\\_PMLEM01080.aspx](http://FieldGuide.mt.gov/detail_PMLEM01080.aspx)



Number of Observations: 0

### General Description

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Frond oblong, 1–2 mm long; usually in clusters, green. Roots 1–15 mm long (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### Habitat

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Our 1 location is from a warm spring in Granite County (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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**Status Under Review**

**Global Rank:** G5  
**State Rank:** SU

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

# Sprangletop - *Leptochloa fusca*

[http://FieldGuide.mt.gov/detail\\_PMPOA3M0F0.aspx](http://FieldGuide.mt.gov/detail_PMPOA3M0F0.aspx)



**Status Under Review**

**Exotic Species (not native to Montana)**

**Global Rank:** G5

**State Rank:** SNA

**AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

## General Description

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Warm season annual bunchgrass. Stems 10–40 cm. Leaves: blades 2–4 mm wide, flat and ascending; sheaths with overlapping margins; ligule membranous. Inflorescence a panicle of secund lateral spikes but these often congested in leaf sheaths and adjacent leaf blades. Spikelets 4–7 mm long with 5 to 7 florets; glumes similar in size to lemmas. Lemmas hairy, awn-tipped, distinctly 3-nerved; palea enfolded by floret. Disarticulation above glumes; unit of dispersal the floret. Our plants are subspecies fascicularis. (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## Habitat

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Most frequently in seasonally saturated disturbed areas such as receding margins of reservoirs or muddy roadsides, less frequently along sidewalks or vacant lots.

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## Mountain Star-lily - *Leucocrinum montanum*

[http://FieldGuide.mt.gov/detail\\_PMLIL18010.aspx](http://FieldGuide.mt.gov/detail_PMLIL18010.aspx)



**Global Rank:** G5  
**State Rank:** S4

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

### General Description

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Stemless, rhizomatous, fibrous-rooted perennial. Leaves basal, sheathing, linear, 5–15 cm × 2–5 mm, leathery. Inflorescence an umbel of several pedicellate flowers; peduncle and pedicels below ground. Flowers regular, white, tubular; tube 4–8 cm long; lobes spreading, lanceolate, 1–2 cm long; stamens included, inserted in the tube; ovary superior; style 3-lobed. Fruit an obovoid capsule, 5–7 mm long, subterranean (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### Habitat

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Grasslands; plains, valleys (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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# Spike Fescue - *Leucopoa kingii*

[http://FieldGuide.mt.gov/detail\\_PMPOA2V1V0.aspx](http://FieldGuide.mt.gov/detail_PMPOA2V1V0.aspx)



**Global Rank:** G5  
**State Rank:** S4

## **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

## **General Description**

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Cool season perennial bunchgrass. Stems 30–50 cm. Leaves: blades 3–7 mm wide, lax to ascending; sheaths with overlapping margins, those of older leaves very persistent; ligule membranous. Inflorescence a spike-like panicle 9–19 cm long, the branches appressed to the main rachis. Spikelets 6–10 mm long; glumes similar in size to lemmas. Lemmas 3 to 7 per spikelet, unawned to slightly awn-tipped. Disarticulation above glumes; unit of dispersal the floret (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## **Habitat**

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On well drained rocky slopes in the mountains, particularly in open dry understory, steppe, or sparsely vegetated slopes (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Flowering Quillwort - *Lilaea scilloides*

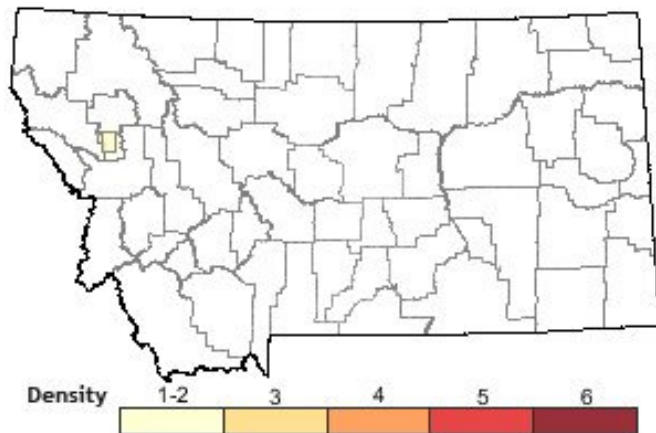
[http://FieldGuide.mt.gov/detail\\_PMJCG01010.aspx](http://FieldGuide.mt.gov/detail_PMJCG01010.aspx)



### Species of Concern

**Global Rank:** G5?  
**State Rank:** S1S2

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**



**Number of Observations:** 2

### General Description

Flowering Quillwort is a tufted annual with leafless stems that are 3-20 cm high. The linear basal leaves are 2-25 cm long, are round in cross-section, and have a broad base that sheaths each flower stem. Male, female, or bisexual flowers are borne in an open spike that is 5-40 mm long and at the tops of stems, which are shorter than the leaves. Additional female flowers may be found partly enclosed by the leaf sheaths. Male and bisexual flowers consist of a green elliptic bract that is 2-3 mm long and of a single stamen and/or a single ovary. Female flowers consist of a solitary ovary. The narrowly lance-shaped fruits of the spike are 3-5 mm long, flattened, and wing-margined. Fruits borne in the leaf sheaths are cylindrical, 3-angled, and have 3 small horns at the tip.

### Habitat

Emergent or submerged in shallow water or mud around ponds in the valleys.

## Columbia Lily - *Lilium columbianum*

[http://FieldGuide.mt.gov/detail\\_PMLIL1A050.aspx](http://FieldGuide.mt.gov/detail_PMLIL1A050.aspx)



**Status Under Review**

**Global Rank:** G4G5  
**State Rank:** S2S3

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

### General Description

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Stems 40–100 cm. Leaves lanceolate, 3–8 cm long. Flowers nodding, 2 to 5; tepals yellowish with black-spotted bases, lanceolate, 35–45 mm long, reflexed; stamens exserted. Capsule cylindric 3–4 cm long (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### Habitat

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Moist forest openings; valleys (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Wood Lily - *Lilium philadelphicum*

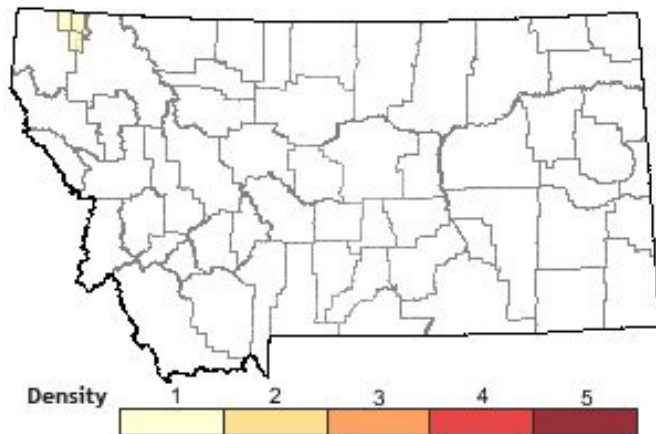
[http://FieldGuide.mt.gov/detail\\_PMLIL1A0L0.aspx](http://FieldGuide.mt.gov/detail_PMLIL1A0L0.aspx)



**Status Under Review**

**Global Rank:** G5  
**State Rank:** S3?

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**



**Number of Observations:** 3

### General Description

Stems 20–60 cm. Leaves linear-lanceolate, 3–7 cm long. Flowers 1 to 3; tepals reddish with yellowish and black-spotted bases, elliptic, long-clawed, 5–7 cm long, spreading; stamens barely included. Capsule narrowly ovoid, 2–4 cm long (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### Habitat

Moist, usually calcareous meadows, grasslands, fens, woodlands; valleys (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

# Loesel's Twayblade - *Liparis loeselii*

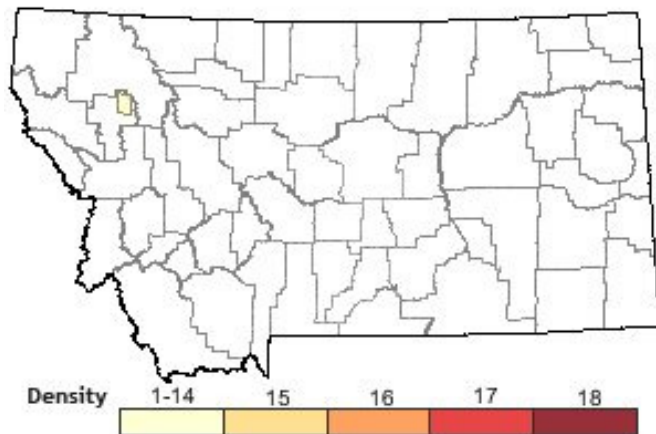
[http://FieldGuide.mt.gov/detail\\_PMORC1M040.aspx](http://FieldGuide.mt.gov/detail_PMORC1M040.aspx)



## Species of Concern

**Global Rank:** G5  
**State Rank:** S2

**AGENCY STATUS**  
**USFWS:**  
**USFS:** SENSITIVE  
**BLM:**



**Number of Observations:** 14

## General Description

Loesel's Twayblade is a glabrous, herbaceous perennial with naked stems that are up to 15 cm high arising from a bulb-like base. The two nearly erect, narrowly elliptic basal leaves are 5-15 cm long and have a broad petiole and a thickened midrib. Several flowers are borne on short stalks at the tops of the stem. Each white to greenish flower has 3 narrowly lance-shaped sepals that are 5-7 mm long, 2 nearly linear petals, and a strap-shaped lip petal that is 4-5 mm long and narrowed at the base. The petals and sepals are united together at the top of the curved, club-shaped ovary. The fruit is a narrowly elliptic capsule with numerous dust-like seeds.

## Habitat

Wet, organic soils of calcareous fens in the valley and montane zones.



# Northern Twayblade - *Listera borealis*

[http://FieldGuide.mt.gov/detail\\_PMORC1N030.aspx](http://FieldGuide.mt.gov/detail_PMORC1N030.aspx)



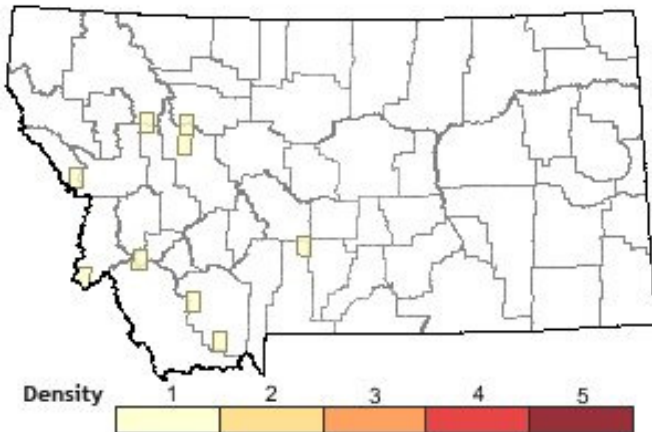
**Global Rank:** G4  
**State Rank:** S4

## **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**



**Number of Observations:** 9

## **General Description**

Stems 5–15 cm, glandular-pubescent above. Leaves ovate, 2–4 cm long. Inflorescence of 3 to 12 flowers; bracts 1–3 mm long. Flowers: sepals 4–5 mm long, linear-lanceolate; lip petal declined but not pendent, 7–11 mm long, broadly oblong with 2 rounded lobes at the tip. Capsule ellipsoid, ca. 8 mm long (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## **Habitat**

Grows in seepy, marshy places along cold-air drainages, often where calcareous.

## Western Twayblade - *Listera caurina*

[http://FieldGuide.mt.gov/detail\\_PMORC1N040.aspx](http://FieldGuide.mt.gov/detail_PMORC1N040.aspx)



**Global Rank:** G4?  
**State Rank:** S4

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

### General Description

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Stems 8–30 cm, glandular-pubescent above. Leaves broadly elliptic to ovate, 3–7 cm long. Inflorescence of 5 to 35 flowers; bracts 3–8 mm long. Flowers sepals 2–4 mm long, narrowly lanceolate; lip petal declined but not pendent, 4–7 mm long, pear-shaped, blunt-tipped, gradually tapered to the base. Capsule obovoid 4–7 mm long (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### Habitat

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Dry to wet forest; valleys to lower subalpine (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Broad-leaved Twayblade - *Listera convallarioides*

[http://FieldGuide.mt.gov/detail\\_PMORC1N050.aspx](http://FieldGuide.mt.gov/detail_PMORC1N050.aspx)



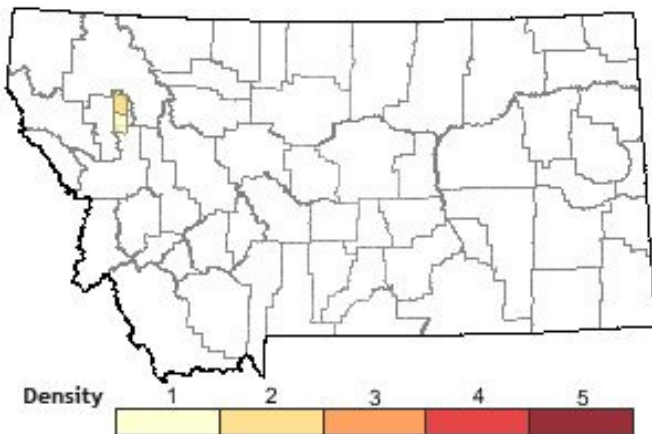
**Global Rank:** G5  
**State Rank:** S4

### **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**



**Number of Observations:** 3

### **General Description**

Broad-lipped twayblade is only 5-10 inches tall with two, opposite, elliptic to nearly round, green leaves that are perpendicular to the stem. The stem above the leaves is whitish glandular hairy with up to 20 flowers that have a small lance-shaped leaf at the base of each flower stalk. This small green sepals and petals bend back from the dominant lip that is about 3/4" long, light green with a darker green center, narrow at the base and wide at the tip. Two shallow lobes at the tip make the lip resemble the folded wings of an insect. Sometimes there is a small tooth between the lobes. Reproduction by runners sometimes produces large colonies of plants.

### **Habitat**

Moist to wet forest, thickets; valleys, montane (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).



## Heartleaf Twayblade - *Listera cordata*

[http://FieldGuide.mt.gov/detail\\_PMORC1N060.aspx](http://FieldGuide.mt.gov/detail_PMORC1N060.aspx)



**Global Rank:** G5  
**State Rank:** S5

### **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

### **General Description**

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Stems 6–25 cm, glabrate. Leaves broadly cordate-ovate, 1–3 cm long. Inflorescence of 4 to 16 flowers; bracts ca. 1 mm long. Flowers sepals 2–3 mm long, lanceolate to oblong; lip petal declined, 4–5 mm long, Y-shaped with 2 acuminate, divergent lobes. Capsule globose 4–6 mm long (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### **Habitat**

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Moist to wet forest, often growing in moss; valleys to subalpine (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Common Alpine-lily - *Lloydia serotina*

[http://FieldGuide.mt.gov/detail\\_PMLIL1B010.aspx](http://FieldGuide.mt.gov/detail_PMLIL1B010.aspx)



**Global Rank:** G5  
**State Rank:** S4

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

### General Description

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Glabrous perennials from a short, vertical, bulb-like rhizome wrapped in old leaf bases. Stems ascending to erect, 4–12 cm. Leaves few, alternate, linear, 0.5–1 mm wide. Inflorescence usually a solitary, terminal flower. Flowers regular, campanulate; tepals spreading, separate, oblanceolate, 6–10 mm long, white with purplish veins; stamens shorter than tepals; style with 3 short lobes. Fruit an obovoid capsule 6–8 mm long (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

Our plants are variety *serotina*.

### Habitat

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Moist turf, meadows, rarely fellfields; upper subalpine, alpine, rarely lower in calcareous soil (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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# Italian Ryegrass - *Lolium multiflorum*

[http://FieldGuide.mt.gov/detail\\_PMPOA3U021.aspx](http://FieldGuide.mt.gov/detail_PMPOA3U021.aspx)



**Exotic Species (not native to Montana)**

**Global Rank:** GNRTNR

**State Rank:** SNA

## **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

## **General Description**

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Biennial to short-lived perennial bunchgrass. Stems 20–150 cm, often single-stemmed in lawn settings. Leaves: blades 3–6 mm wide. Inflorescence 15–40 cm long. Spikelets 10–30 mm long, glumes about as long as an individual floret. Lemmas often 10 to 20 per spikelet, keeled, at least the upper ones with an awn 5–15 mm long (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## **Habitat**

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Regularly disturbed sites, roadsides, and newly planted lawns (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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# Perennial Ryegrass - *Lolium perenne*

[http://FieldGuide.mt.gov/detail\\_PMPOA3U020.aspx](http://FieldGuide.mt.gov/detail_PMPOA3U020.aspx)



**Exotic Species (not native to Montana)**

**Global Rank:** GNR

**State Rank:** SNA

## **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

## **General Description**

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Perennial bunchgrass. Stems 30–150 cm. Leaves: blades 2–5 mm wide. Inflorescence 5–25 cm long. Spikelets 7–19 mm long, glumes about as long as an individual floret. Lemmas mostly 5 to 9 per spikelet, keeled, awnless or awn-tipped (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## **Habitat**

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Regularly disturbed sites, roadsides, trailsides, and newly planted lawns (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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# Persian Ryegrass - *Lolium persicum*

[http://FieldGuide.mt.gov/detail\\_PMPOA3U030.aspx](http://FieldGuide.mt.gov/detail_PMPOA3U030.aspx)



**Exotic Species (not native to Montana)**

**Global Rank:** GNR

**State Rank:** SNA

## **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

## **General Description**

Annual bunchgrass. Stems 10–40 cm. Leaves: blades 2–6 mm wide. Inflorescence 10–25 cm long. Spikelets 10–26 mm long, glumes about as long as the spikelet length. Lemmas: 4 to 9 per spikelet, with a slender flexuous awn 5–15 mm long (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## **Habitat**

Regularly disturbed settings (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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# Darnel Ryegrass - *Lolium temulentum*

[http://FieldGuide.mt.gov/detail\\_PMPOA3U060.aspx](http://FieldGuide.mt.gov/detail_PMPOA3U060.aspx)



**Exotic Species (not native to Montana)**

**Global Rank:** GNR

**State Rank:** SNA

## **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

## **General Description**

Annual bunchgrass. Stems 60–90 cm. Leaves: blades 2–10 mm wide. Inflorescence 10–30 cm long. Spikelets 10–25 mm long, glumes about as long as the spikelet length. Lemmas: 5 to 10 per spikelet, awnless or awned to 15 mm long (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## **Habitat**

Frequently disturbed sites (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Curved Woodrush - *Luzula arcuata*

[http://FieldGuide.mt.gov/detail\\_PMJUN02030.aspx](http://FieldGuide.mt.gov/detail_PMJUN02030.aspx)



**Global Rank:** G5  
**State Rank:** SNR

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

### General Description

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Stems ascending, 2–10 cm. Leaves glabrate; blades 1–3 mm wide. Inflorescence arching, of 2 to 12 clusters of 2 to 6 flowers; bracteoles ciliate. Flowers: tepals brown to purple, 1.5–2.5 mm long; outer mucronate; prophylls purplish. Capsules ellipsoid, ca. 2 mm long (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

Our plants are subspecies *unalaschkensis* (Buchenau) Hulten.

### Habitat

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Moist rock ledges, turf; alpine (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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# Forked Woodrush - *Luzula divaricata*

[http://FieldGuide.mt.gov/detail\\_PMJUN02070.aspx](http://FieldGuide.mt.gov/detail_PMJUN02070.aspx)



**Global Rank:** G5  
**State Rank:** SNR

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

## General Description

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Stems erect to ascending, 20–40 cm. Leaves glabrate; blades 3–7 mm wide. Inflorescence open with 1 to 2 flowers on tips of divaricately spreading to reflexed branches. Flowers: tepals acuminate, mucronate, green to tan, ca. 2 mm long; prophylls whitish to tan, sparsely ciliate. Capsules globose, ca. 2 mm long (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## Habitat

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Cedar-hemlock forests; valleys (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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# Smooth Woodrush - *Luzula hitchcockii*

[http://FieldGuide.mt.gov/detail\\_PMJUN020A2.aspx](http://FieldGuide.mt.gov/detail_PMJUN020A2.aspx)



**Global Rank:** G5T4  
**State Rank:** S4

## **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

## **General Description**

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Sometimes long-rhizomatous. Stems erect to ascending, 10–30 cm. Leaves glabrate; blades 4–10 mm wide, often turning golden-brown with age. Inflorescence open with 1 or 2 flowers on tips of spreading branches. Flowers: purple to brown, 2.5–3.5 mm long; prophylls purplish. Capsules ovoid, 2.5–4 mm long with a beak =0.5 mm long (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## **Habitat**

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Moist meadows, open forest, often in late snowmelt sites; subalpine, rarely lower or higher (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Common Woodrush - *Luzula multiflora*

[http://FieldGuide.mt.gov/detail\\_PMJUN020F0.aspx](http://FieldGuide.mt.gov/detail_PMJUN020F0.aspx)



**Global Rank:** G5  
**State Rank:** S4

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

### General Description

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Stems erect, 10–40 cm. Leaves sparsely long-hairy; blades 2–6 mm wide. Inflorescence of 1 to few erect or ascending, globose to cylindric clusters of 5 to 20 flowers, 5–10 mm long. Flowers: tepals purplish to tan, white-margined, 2.5–3.5 mm long; prophylls whitish. Capsules globose, ca. 2 mm long (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### Habitat

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Moist meadows, thickets, moist to dry forests, often along streams; valleys to subalpine (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Small-flower Woodrush - *Luzula parviflora*

[http://FieldGuide.mt.gov/detail\\_PMJUN020G0.aspx](http://FieldGuide.mt.gov/detail_PMJUN020G0.aspx)



**Global Rank:** G5  
**State Rank:** S4

### **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

### **General Description**

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Sometimes long-rhizomatous. Stems erect to ascending, 20–50 cm. Leaves glabrate; blades 3–8 mm wide. Inflorescence open with 1 or 2 flowers on tips of arching branches. Flowers: tepals, tan to purplish, 1.5–2 mm long; prophylls whitish to tan, lacerate or entire. Capsules globose, ca. 2 mm long (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### **Habitat**

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Meadows, thickets, conifer forest, often around streams, wetlands; valleys to subalpine, more common lower (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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# Piper's Woodrush - *Luzula piperi*

[http://FieldGuide.mt.gov/detail\\_PMJUN020V0.aspx](http://FieldGuide.mt.gov/detail_PMJUN020V0.aspx)



**Global Rank:** G4  
**State Rank:** S3S4

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

## General Description

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Stems erect to ascending, 6–30 cm. Leaves glabrate; blades 2–7 mm wide. Inflorescence open with solitary flowers on tips of arching branches; bracteoles ciliate. Flowers: tepals purplish-brown with white margins, ca. 2 mm long; prophylls whitish, often tangled-ciliate. Capsules ovoid, ca. 2 mm long (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## Habitat

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Usually stony soil of rock ledges, talus, meadows, turf; subalpine, alpine (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Spiked Woodrush - *Luzula spicata*

[http://FieldGuide.mt.gov/detail\\_PMJUN020K0.aspx](http://FieldGuide.mt.gov/detail_PMJUN020K0.aspx)



**Global Rank:** G5  
**State Rank:** S4

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

### General Description

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Stems erect, 3–30 cm. Leaves sparsely hairy; blades 1–2 mm wide. Inflorescence a nodding, solitary, terminal, cylindric, often compound spike 5–25 mm long with numerous flowers. Flowers: tepals purplish to brown, mucronate, 2–3 mm long; prophylls whitish, tangled-ciliate. Capsules globose, ca. 2 mm long (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### Habitat

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Grasslands, meadows, open forest, talus, rock ledges, turf; montane to alpine, more common higher (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Yellow Skunk-cabbage - *Lysichiton americanus*

[http://FieldGuide.mt.gov/detail\\_PMARAOB010.aspx](http://FieldGuide.mt.gov/detail_PMARAOB010.aspx)



**Global Rank:** G5  
**State Rank:** S4

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

### General Description

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Scapose, rhizomatous perennials with a skunky odor. Leaves basal, petiolate; blades elliptic to obovate, entire, 20–100 cm long, greatly expanding in fruit. Inflorescence: scape 15–80 cm, expanding in fruit; flowers densely clustered on a cylindrical spike (spadix) 3–14 cm long, mostly enclosed by a deciduous, yellow, hood-like bract (spathe) 10–20 cm long that sheaths the scape. Flowers perfect, yellowish; tepals 4, ca. 2 mm long, separate; stamens 4; ovary superior, 1- or 2-celled; style 1. Fruit a green to red, ovoid 1- or 2-seeded berry, 3–10 mm long embedded in the fleshy spadix (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### Habitat

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Vernally inundated, wet, organic soil of spruce swamps, alder thickets; valleys (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

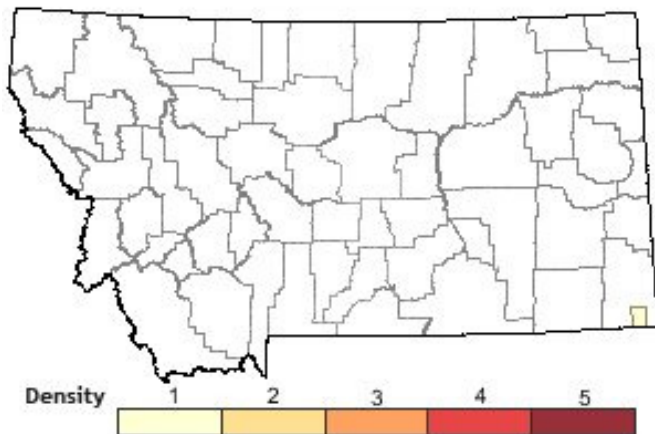
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# Wild Lily-of-the-valley - *Maianthemum canadense*

[http://FieldGuide.mt.gov/detail\\_PMLIL1D010.aspx](http://FieldGuide.mt.gov/detail_PMLIL1D010.aspx)



© New York Botanical Garden - unknown (Britton and Brown)



**Number of Observations:** 1

## General Description

Rhizomatous perennials. Stems erect, 5–20 cm. Leaves cauline, 2 or 3 (solitary on sterile shoots), short-petiolate; blade cordate, ovate, 4–7 cm long, seemingly clasping the stem. Inflorescence an ebracteate raceme with 12 to 25 flowers. Flowers regular, star-shaped; tepals 4, white, separate, obovate, ca. 2 mm long, spreading; stamens ca. as long as the tepals; stigma 2-lobed. Fruit a globose berry, 4–6 mm long, red, mottled when immature (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## Habitat

Moist, humic soil in riparian forest on the plains.

## Species of Concern

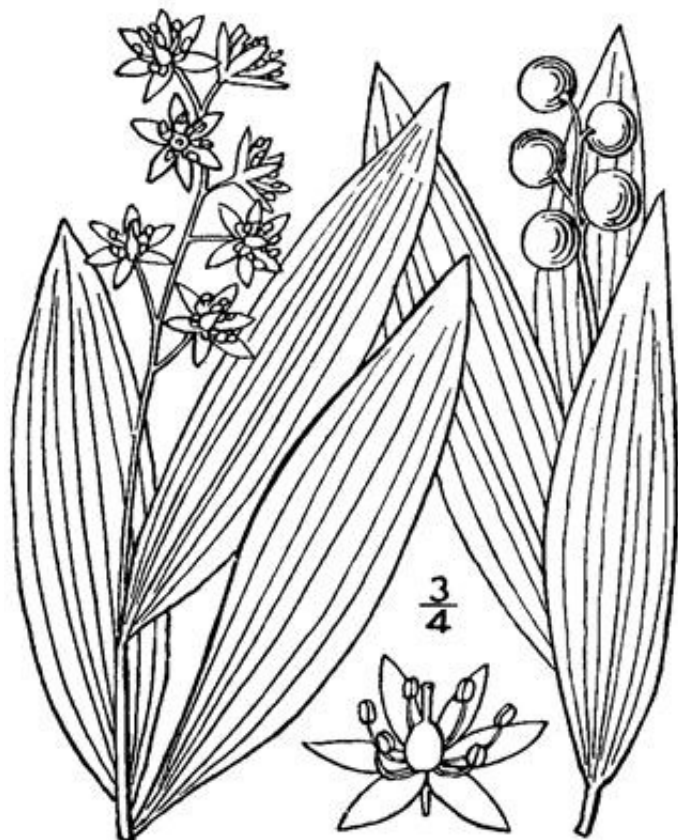
**Global Rank:** G5  
**State Rank:** SH

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**



## Three-leaf Solomon's-plume - *Maianthemum trifolium*

[http://FieldGuide.mt.gov/detail\\_PMLIL1D050.aspx](http://FieldGuide.mt.gov/detail_PMLIL1D050.aspx)



**Status Under Review**

**Global Rank:** G5  
**State Rank:** SU

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

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## Oniongrass - *Melica bulbosa*

[http://FieldGuide.mt.gov/detail\\_PMPOA3X030.aspx](http://FieldGuide.mt.gov/detail_PMPOA3X030.aspx)



**Status Under Review**

**Global Rank:** G5  
**State Rank:** S3S4

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

### General Description

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Bunchgrass. Stems 30–80 cm tall, often few-bunched each from a corm base. Leaves: leaf blades 2–5 mm wide, ligules 2–6 mm long. Inflorescence a narrow panicle or raceme 10–30 cm long, the pedicels stiff, erect, mostly bearing 1 or 2 spikelets. Spikelets 12–20 mm long. Lemmas: 4 to 7 per spikelet, awnless (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### Habitat

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Montane dry meadows, rocky slopes, and open understory (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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# Smith's Melicgrass - *Melica smithii*

[http://FieldGuide.mt.gov/detail\\_PMPOA3X0F0.aspx](http://FieldGuide.mt.gov/detail_PMPOA3X0F0.aspx)



**Status Under Review**

**Global Rank:** G4  
**State Rank:** S1?

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

## General Description

---

Bunchgrass Stems 60–100 cm tall, from a slender base. Leaves: blades 6–12 mm wide, ligules 2–4 mm long. Inflorescence a narrow panicle or raceme 10–30 cm long, branches solitary, spreading or bent downwards. Spikelets 12–18 mm long. Lemmas: 3 to 5 per spikelet, with a 2–8 mm awn borne from the tip (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## Habitat

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Open to closed montane understory (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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# Showy Oniongrass - *Melica spectabilis*

[http://FieldGuide.mt.gov/detail\\_PMPOA3X0G0.aspx](http://FieldGuide.mt.gov/detail_PMPOA3X0G0.aspx)



**Global Rank:** G5  
**State Rank:** S4

## **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

## **General Description**

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Bunchgrass Stems 60–100 cm tall, loosely bunched each from a corm base. Leaves: blades 2–5 mm wide, ligules 1–2 mm long. Inflorescence a narrow panicle 5–25 cm long, the branches slender and twisted. Spikelets 10–18 mm long. Lemmas: 4 to 8 per spikelet, awnless (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## **Habitat**

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Open montane slopes and meadows (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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# Alaskan Oniongrass - *Melica subulata*

[http://FieldGuide.mt.gov/detail\\_PMPOA3X0J0.aspx](http://FieldGuide.mt.gov/detail_PMPOA3X0J0.aspx)



**Status Under Review**

**Global Rank:** G5  
**State Rank:** SU

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

## General Description

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Bunchgrass Stems 60–120 cm tall, loosely bunched or in patches, most stems from a corm base. Leaves: blades 2–10 mm wide, ligules 1–4 mm long. Inflorescence a narrow panicle or raceme 10–25 cm long, with few branches. Spikelets 10–20 mm long. Lemmas: 4 to 8 per spikelet, mostly awn-tipped (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## Habitat

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Open montane slopes and understory (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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# Foxtail Muhly - *Muhlenbergia andina*

[http://FieldGuide.mt.gov/detail\\_PMPOA48010.aspx](http://FieldGuide.mt.gov/detail_PMPOA48010.aspx)



**Status Under Review**

**Global Rank:** G4  
**State Rank:** S3?

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

## General Description

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Perennial with well-developed rhizomes. Stems 30–80 cm tall, often loosely bunched. Leaves: blades 2–4 mm wide; ligule about 1 mm long. Inflorescence a spike-like panicle 5–13 cm long. Spikelets 2.5–3.5 mm long. Lemmas with an awn 3–9 mm long, callus hairs as long as the lemma (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## Habitat

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Damp but often well-drained soils (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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# Alkali Muhly - *Muhlenbergia asperifolia*

[http://FieldGuide.mt.gov/detail\\_PMPOA48070.aspx](http://FieldGuide.mt.gov/detail_PMPOA48070.aspx)



**Global Rank:** G5  
**State Rank:** S4

## **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

## **General Description**

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Perennial with slender rhizomes. Stems 10–50 cm tall, spreading to erect and sometimes aggregated into patches. Leaves: blades 1–3 mm wide; ligule about 1 mm long. Inflorescence an open panicle 5–20 cm long. Spikelets 1–2 mm long. Lemmas usually 1, rarely 2, per spikelet, awn-tipped, callus hairs very short to lacking (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## **Habitat**

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Damp and often alkaline soils along streams and low areas in pastures (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Plains Muhly - *Muhlenbergia cuspidata*

[http://FieldGuide.mt.gov/detail\\_PMPOA480D0.aspx](http://FieldGuide.mt.gov/detail_PMPOA480D0.aspx)



**Status Under Review**

**Global Rank:** G4  
**State Rank:** SU

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

### General Description

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Perennial. Stems 20–40 cm long, the area below the stem node smooth and without small bumps, stem bases hard, scaly, and bulb-like. Leaves: blades mostly 2–3 mm wide, ligule about 1 mm long. Inflorescence a narrow panicle 5–12 cm long. Spikelets 2.5–3.5 mm long. Lemmas slightly hairy often towards the base only, awnless or awn-tipped, callus hairs very short or lacking (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### Habitat

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Short grass prairie and occasionally sagebrush steppe on moderately disturbed settings including road cuts (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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# Pullup Muhly - *Muhlenbergia filiformis*

[http://FieldGuide.mt.gov/detail\\_PMPOA480N0.aspx](http://FieldGuide.mt.gov/detail_PMPOA480N0.aspx)



**Status Under Review**

**Global Rank:** G5  
**State Rank:** S3?

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

## General Description

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Annual. Stems 5–18 cm. Leaves: blades 0.5–1.5 mm wide, ligule 1–2 mm long. Inflorescence a spike-like panicle 2–6 cm long. Spikelets 2–2.5 mm long. Lemmas awnless or awn-tipped, callus hairs very short or lacking (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## Habitat

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Moist well-drained soils, around hot springs, and edges of montane meadows (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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# Spike Muhly - *Muhlenbergia glomerata*

[http://FieldGuide.mt.gov/detail\\_PMPOA480U0.aspx](http://FieldGuide.mt.gov/detail_PMPOA480U0.aspx)



**Status Under Review**

**Global Rank:** G5

**State Rank:** SU

**AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

## General Description

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Perennial with well-developed woody rhizomes. Stems loosely bunched and often in patches, 30–90 cm tall, branching mostly at ground level, internodes lightly hairy and with a dull texture. Leaves: blades 2–6 mm wide, ligule <1 mm long. Inflorescence a contracted panicle 3–11 cm long. Spikelets 4–6 mm long. Lemmas lightly hairy at the base and up the margins, awn-tipped or rarely short-awned, callus hairs short to absent (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## Habitat

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On regularly disturbed well drained soils including road cuts (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Wirestem Muhly - *Muhlenbergia mexicana*

[http://FieldGuide.mt.gov/detail\\_PMPOA48110.aspx](http://FieldGuide.mt.gov/detail_PMPOA48110.aspx)



**Status Under Review**

**Global Rank:** G5

**State Rank:** SU

### **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

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# Annual Muhly - *Muhlenbergia minutissima*

[http://FieldGuide.mt.gov/detail\\_PMPOA48130.aspx](http://FieldGuide.mt.gov/detail_PMPOA48130.aspx)



**Status Under Review**

**Global Rank:** G5

**State Rank:** SU

## **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

## **General Description**

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Minute muhly is a tufted annual grass with stems up to 3 dm (1 ft) tall. The inrolled leaf blades are 1-2 mm wide, and the membranous ridge on the blade where it meets the stem (ligule) is 1-3 mm high with jagged margins. Plants are sparsely hairy below stem nodes and on upper leaf surfaces. The single-flowered spikelets, ca. 1 mm long, are borne on the ends of long ascending stalks in an open, terminal inflorescence that is often half the plant's total height. The glumes are sparsely hairy along the margins and sometimes on the back, and both the glumes and lemmas lack awns.

## **Habitat**

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Moist soil along rivers and streams in the valleys.

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## Mountain Muhly - *Muhlenbergia montana*

[http://FieldGuide.mt.gov/detail\\_PMPOA48140.aspx](http://FieldGuide.mt.gov/detail_PMPOA48140.aspx)



**Global Rank:** G5  
**State Rank:** SNA

### **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

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# Marsh Muhly - *Muhlenbergia racemosa*

[http://FieldGuide.mt.gov/detail\\_PMPOA481D0.aspx](http://FieldGuide.mt.gov/detail_PMPOA481D0.aspx)



**Status Under Review**

**Global Rank:** G5  
**State Rank:** S3S4

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

## General Description

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Perennial with well-developed rhizomes. Stems loosely bunched and often in patches, 30–80 cm tall, often branching above ground level, internodes with a polished and shiny texture. Leaves: blades 2–6 mm wide; ligule about 0.5–1.5 mm long. Inflorescence a contracted panicle 3–15 cm long. Spikelets 4–6 mm long. Lemmas lightly hairy at base only, awn-tipped or rarely short-awned, callus hairs short to absent (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## Habitat

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Open dry to moist or alkaline sites on well drained soils (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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# Mat Muhly - *Muhlenbergia richardsonis*

[http://FieldGuide.mt.gov/detail\\_PMPOA481G0.aspx](http://FieldGuide.mt.gov/detail_PMPOA481G0.aspx)



**Status Under Review**

**Global Rank:** G5  
**State Rank:** SU

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

## General Description

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Perennial with well-developed rhizomes. Stems decumbent and often mat-forming, 5–25 cm tall, rough with small bumps just below the nodes, bases slender just like the more distal portions of the stem. Leaves: blades mostly 1–2 mm wide, ligule about 1–2 mm long. Inflorescence a narrow contracted panicle 2–12 cm long. Spikelets 2–3 mm long. Lemmas not hairy, awn-tipped, callus hairs short to absent (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## Habitat

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Open dry to moist sites often on well drained and somewhat disturbed soils from low to montane elevations (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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# False Buffalograss - *Munroa squarrosa*

[http://FieldGuide.mt.gov/detail\\_PMPOA49010.aspx](http://FieldGuide.mt.gov/detail_PMPOA49010.aspx)



**Status Under Review**

**Global Rank:** G5

**State Rank:** SU

## **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

## **General Description**

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Warm season, annual bunchgrass. Stems often mat-forming, 3–10 cm. Leaves: blades 1.5–2.5 mm wide, flat and ascending, clustered at nodes, the throat with stiff hairs to 2 mm long, ligule a fringe of hairs 0.5–1 mm long; sheaths with overlapping margins. Inflorescence a cluster of spikelets concealed among leaf sheaths. Spikelets 6–8 mm long with 3 to 4 florets; glumes as long as florets. Lemma 3 to 5 per spikelet, awn-tipped with 3 distinct veins; palea enclosed in floret. Disarticulation below glumes; unit of dispersal the inflorescence and associated leaf cluster (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## **Habitat**

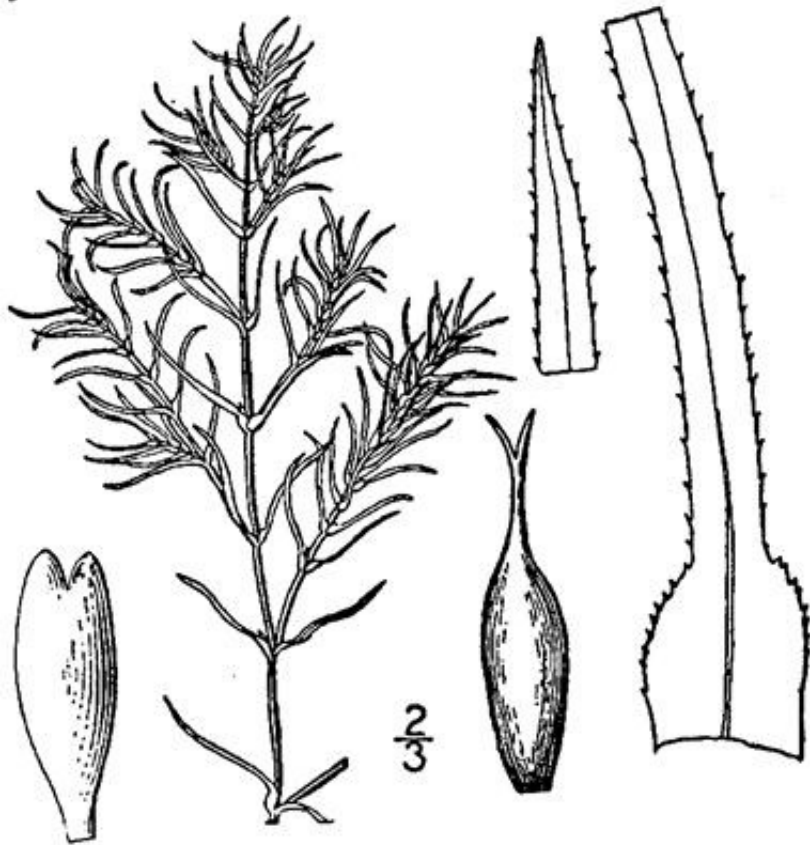
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Sporadic in open dry and regularly disturbed sites such as long roadsides and anthills (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Slender Naiad - *Najas flexilis*

[http://FieldGuide.mt.gov/detail\\_PMNAJ01020.aspx](http://FieldGuide.mt.gov/detail_PMNAJ01020.aspx)



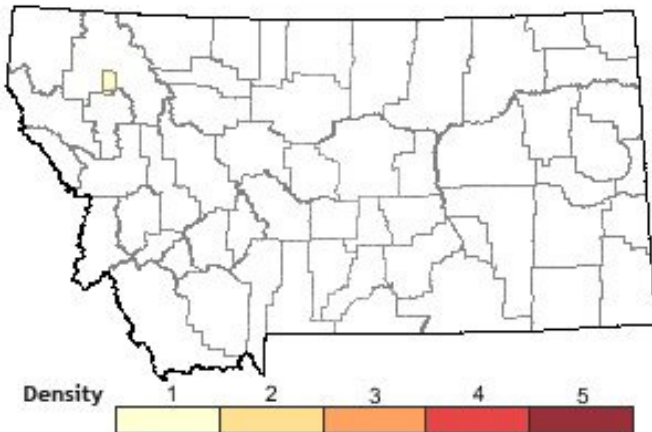
**Global Rank:** G5  
**State Rank:** S4

### **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**



**Number of Observations:** 1

### **General Description**

Stems 5–40 cm. Leaves 10–35 mm long; the dilated base 2–3 mm wide. Female flowers 2–5 mm long. Achenes ca. 3 mm long; seeds smooth, shiny, sometimes minutely spotted (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

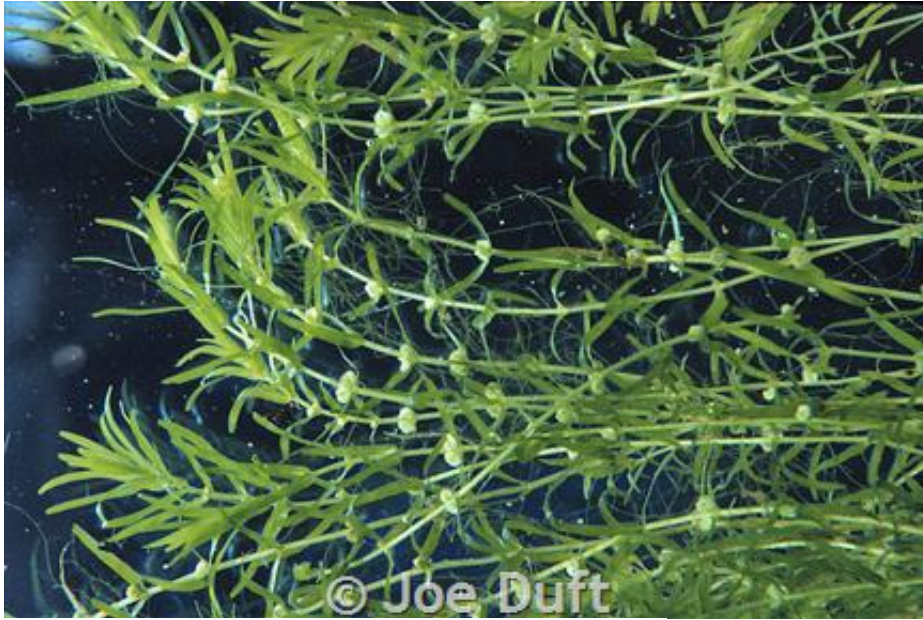
### **Habitat**

Usually shallow, often alkaline water of lakes, sloughs; valleys (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).



# Guadalupe Water-nymph - *Najas guadalupensis*

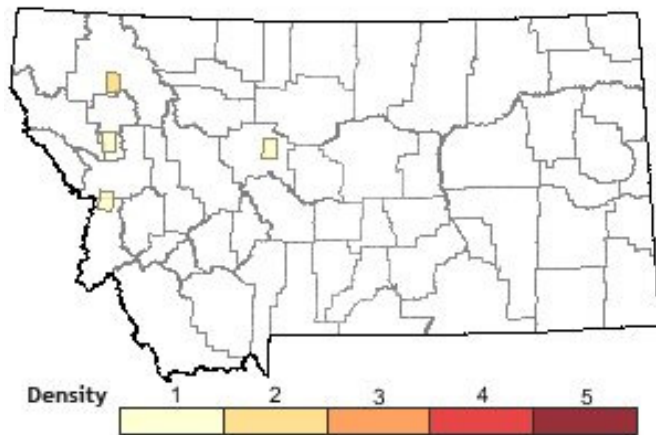
[http://FieldGuide.mt.gov/detail\\_PMNAJ01050.aspx](http://FieldGuide.mt.gov/detail_PMNAJ01050.aspx)



## Species of Concern

**Global Rank:** G5  
**State Rank:** S2S3

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**



**Number of Observations:** 5

## General Description

Guadalupe Water-nymph is a submerged aquatic annual with slender, branching stems up to about 7 dm long. The opposite, ribbon-like leaves, usually with additional leaves in their axils, are 0.5-2 cm long and have minutely toothed margins and enlarged bases. Tiny unisexual flowers, both male and female on the same plant, are borne singly, without stalks, in the axils of leaves. The male flowers have a single stamen enclosed in a translucent bract which is surrounded by a firmer bract, and the female flowers consist of a single naked pistil. The fruits are single seeded with a thin, papery covering. The long tapered seeds are round in cross-section and are dull and coarsely pitted with 10-20 rows of pits across the middle.

## Habitat

Submerged in shallow, fresh waters of oxbow sloughs, ponds, and reservoirs in valleys.

## Roughleaf Ricegrass - *Oryzopsis asperifolia*

[http://FieldGuide.mt.gov/detail\\_PMPOA4J010.aspx](http://FieldGuide.mt.gov/detail_PMPOA4J010.aspx)



**Status Under Review**

**Global Rank:** G5  
**State Rank:** SU

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

### General Description

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Stems 20–60 cm tall, erect to widely spreading. Leaves: blades mostly 5–9 mm wide, scabrous, ligules 0.5–1 mm long. Inflorescence a raceme or narrow panicle 3–11 cm long. Spikelets 6–8 mm long. Lemmas sparsely hairy, with a deciduous awn 6–12 mm long. Dry meadows and open understory (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### Habitat

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Dry meadows and open understory (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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# Contracted Indian Ricegrass - *Oryzopsis contracta*

[http://FieldGuide.mt.gov/detail\\_PMPOA4J0E0.aspx](http://FieldGuide.mt.gov/detail_PMPOA4J0E0.aspx)



**Status Under Review**

**Global Rank:** G3G4  
**State Rank:** S3?

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

## General Description

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Contracted Indian ricegrass is a tufted perennial with glabrous stems 30-64 cm (12-28 in) tall. The inflorescence is a panicle with branches that are initially contracted, hence the common name, but which become stiffly spreading at maturity. Spikelets are single flowered, slender, and 1.5 cm (3/4 in) long. Each hardened narrowly elliptic spikelet, 5-7 mm long, has 2 glumes enclosing the short-hairy lemma with an awn, 6-12 mm long.

## Habitat

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Sandy or gravelly soil of grasslands and sagebrush steppe in the valleys and montane zone.

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## Little Ricegrass - *Oryzopsis exigua*

[http://FieldGuide.mt.gov/detail\\_PMPOA80030.aspx](http://FieldGuide.mt.gov/detail_PMPOA80030.aspx)



**Status Under Review**

**Global Rank:** G5

**State Rank:** SU

**AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

### General Description

---

Stems 15–35 cm. Leaves: blades 0.5–1.5 mm wide, scabrous, ligules 1–3 mm long. Inflorescence a raceme or narrow panicle 3–7 cm long. Spikelets 3.5–4.5 mm long. Lemmas mostly hairless, with a deciduous bent awn 4–6 mm long (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### Habitat

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Dry open montane understory (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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# Indian Ricegrass - *Oryzopsis hymenoides*

[http://FieldGuide.mt.gov/detail\\_PMPOA4J050.aspx](http://FieldGuide.mt.gov/detail_PMPOA4J050.aspx)



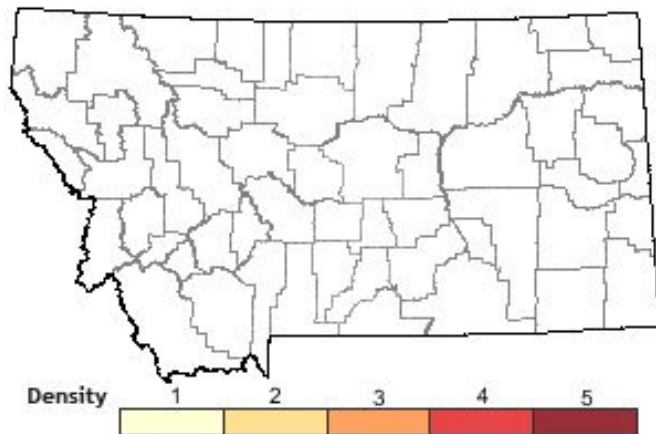
**Global Rank:** G5  
**State Rank:** S5

## **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**



**Number of Observations:** 1

## **General Description**

Stems 30–60 cm. Leaves: blades about 1 mm wide (because they are typically inrolled), usually smooth; ligules mostly 1–2 mm long. Inflorescence an open panicle 10–20 cm long. Spikelets 5–6 mm long. Lemmas densely long-hairy, with a deciduous awn 4–6(–9) mm long (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## **Habitat**

Open dry exposed sites on a diversity of substrates including sandy and gravelly soils (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

# Littleseed Ricegrass - *Oryzopsis micrantha*

[http://FieldGuide.mt.gov/detail\\_PMPOA4J070.aspx](http://FieldGuide.mt.gov/detail_PMPOA4J070.aspx)



**Status Under Review**

**Global Rank:** G5  
**State Rank:** SU

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

## General Description

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Stems 30–80 cm. Leaves: blades 1–2.5 mm wide, smooth, ligules 1–2 mm long. Inflorescence a narrow to open panicle 5–20 cm long. Spikelets 3–3.5 mm long. Lemmas hairless to sparsely hairy, with a deciduous straight awn 5–8 mm long (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## Habitat

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Moist meadows, stream banks, and understory (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Witch Panicgrass - *Panicum capillare*

[http://FieldGuide.mt.gov/detail\\_PMPOA4K0D0.aspx](http://FieldGuide.mt.gov/detail_PMPOA4K0D0.aspx)



**Global Rank:** G5  
**State Rank:** S4

### **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

### **General Description**

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Annual bunchgrass. Stems sprawling or spreading, 10–60 cm long. Leaves: blades 5–14 mm wide, sheath densely to lightly covered with glandular-based hairs, ligules a short fringe of hairs, 0.5–1.3 mm long. Inflorescence an open panicle 15–25 cm long. Spikelets 2–3 mm long, first glume 1–1.8 mm long, second glume 2–3 mm long. Lemmas: sterile lemma not keeled, fertile lemma blunt, yellowish at maturity (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### **Habitat**

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Along roadsides, railroad tracks, sidewalks, and in lawns (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Proso Millet - *Panicum miliaceum*

[http://FieldGuide.mt.gov/detail\\_PMPOA4K1F0.aspx](http://FieldGuide.mt.gov/detail_PMPOA4K1F0.aspx)



**Exotic Species (not native to Montana)**

**Global Rank:** GNR

**State Rank:** SNA

**AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

### General Description

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Annual bunchgrass Stems robust and ascending, 30–100 cm. Leaves: blades 7–14 mm wide, sheath densely to lightly covered with glandular-based hairs; ligule a fringed membrane 2–3 mm long. Inflorescence an open panicle 12–22 cm long. Spikelets 5–5.5 mm long, first glume 2.5–3.5 mm long, second glume 5–5.5 mm long. Lemmas: sterile lemma not keeled; fertile lemma blunt, straw-colored to burnt orange at maturity (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### Habitat

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Recently disturbed settings such as graded roadsides and sometimes cultivated and escaped but probably not long persisting (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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# Switchgrass - *Panicum virgatum*

[http://FieldGuide.mt.gov/detail\\_PMPOA4K2D0.aspx](http://FieldGuide.mt.gov/detail_PMPOA4K2D0.aspx)



**Status Under Review**

**Global Rank:** G5  
**State Rank:** S3?

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

## General Description

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Perennial bunchgrass with well-developed rhizomes. Stems 60–150 cm. Leaves: blades 2–10 mm wide; sheath essentially hairless; ligule a fringed membrane 3–5 mm long. Inflorescence an open panicle 12–40 cm long. Spikelets 3.5–4 mm long, first glume 3–3.5 mm long, second glume 3.5–4.5 mm long, distally keeled. Lemmas: sterile lemma distally keeled, fertile lemma blunt, light greenish at maturity (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## Habitat

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From disturbance-prone settings especially roadsides and similar sites (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Reed Canarygrass - *Phalaris arundinacea*

[http://FieldGuide.mt.gov/detail\\_PMPOA4R030.aspx](http://FieldGuide.mt.gov/detail_PMPOA4R030.aspx)



**Exotic Species (not native to Montana)**

**Global Rank:** G5

**State Rank:** SNA

**AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

### General Description

---

Rhizomatous perennial. Stems mostly 90–200 cm tall, forming dense stands. Leaves: blades 6–18 mm wide, ligules 4–10 mm long. Inflorescences a contracted panicle 8–35 cm long. Spikelets 4–7 mm long. Lemmas with one hairless seed-bearing floret and two lower sterile florets that are each a minute scale covered with long hairs (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### Habitat

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Riparian and wetland habitats mostly at lower to middle elevations throughout the state (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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# Common Canary Grass - *Phalaris canariensis*

[http://FieldGuide.mt.gov/detail\\_PMPOA4R060.aspx](http://FieldGuide.mt.gov/detail_PMPOA4R060.aspx)



**Exotic Species (not native to Montana)**

**Global Rank:** GNR

**State Rank:** SNA

## **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

## **General Description**

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Annual bunchgrass. Stems 30–80 cm. Inflorescence a dense ovoid panicle 2–5 cm long, 1.5–2 cm wide. Spikelets 7–9 mm long. Lemmas with one lightly hairy seed-bearing floret subtended by two hairless sterile florets or scales (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## **Habitat**

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An ephemeral that sporadically germinates from seed that falls from bird feeders and such, sometimes in lawns (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Ice Grass - *Phippsia algida*

[http://FieldGuide.mt.gov/detail\\_PMPOA4T010.aspx](http://FieldGuide.mt.gov/detail_PMPOA4T010.aspx)



### Species of Concern

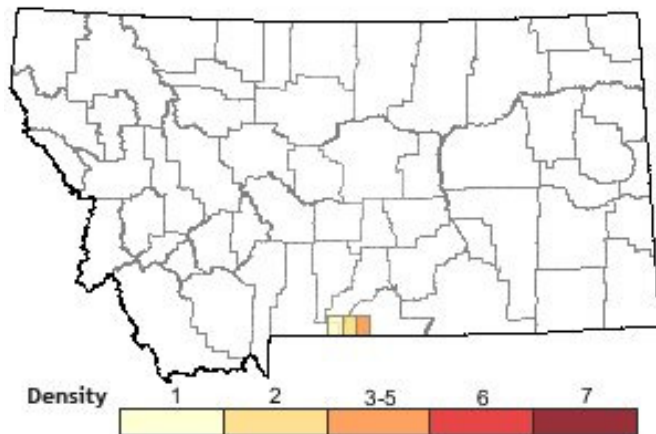
**Global Rank:** G5  
**State Rank:** S2S3

### AGENCY STATUS

**USFWS:**

**USFS:**

**BLM:**



**Number of Observations:** 8

### General Description

Ice Grass is a glabrous perennial with fibrous roots and densely tufted stems that are up to 7 cm high. The narrow leaves have a boat-shaped tip. The 1-flowered spikelets are borne in a narrow, terminal inflorescence that is ca. 1/3 the length of the stem. Each spikelet has 2 small glumes. The thin, 3-nerved lemma is ca. 1.5 mm long and is blunt with a short point. The palea is slightly smaller and has a shallowly-toothed margin.

### Habitat

Wet, gravelly soil of seeps and along streams in the alpine zone.

# Mountain Timothy - *Phleum alpinum*

[http://FieldGuide.mt.gov/detail\\_PMPOA4U010.aspx](http://FieldGuide.mt.gov/detail_PMPOA4U010.aspx)



**Global Rank:** G5  
**State Rank:** S4S5

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

## General Description

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Stems 20–50 cm tall, not bulbous at base. Leaves: blades 4–7 mm wide, sheath subtending the inflorescence inflated, ligules 1–4 mm long. Inflorescence 1–6 cm long and 5–13 mm wide. Spikelets 3–4.5 mm long. Lemmas 2–2.5 mm long (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## Habitat

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Common in mountain meadows, open understory, and subalpine to alpine (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Meadow Timothy - *Phleum pratense*

[http://FieldGuide.mt.gov/detail\\_PMPOA4U050.aspx](http://FieldGuide.mt.gov/detail_PMPOA4U050.aspx)



**Exotic Species (not native to Montana)**

**Global Rank:** GNR

**State Rank:** SNA

**AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

### General Description

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Stems 50–140 cm tall, bulbous at the base. Leaves: blades 5–9 mm wide, sheath subtending inflorescence not inflated. Inflorescence 6–12 cm long and 5–8 mm wide. Spikelets 3–4 mm long. Lemmas 2.5–2 mm long (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### Habitat

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Mountain meadows, pastures, rangeland, and along roadsides and trails at middle to higher elevations (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Common Reed - *Phragmites australis*

[http://FieldGuide.mt.gov/detail\\_PMPOA4V010.aspx](http://FieldGuide.mt.gov/detail_PMPOA4V010.aspx)



**Global Rank:** G5  
**State Rank:** S4

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

### General Description

---

Cool season, rhizomatous perennial. Stems 1.5-3.5 m, forming dense stands. Leaves: blades 2-4 cm wide, flat and lax to ascending; sheaths with overlapping margins; ligules hairy, 3-6 mm long. Inflorescence a plumose panicle 15-32 cm long. Spikelets 11-14 mm long, with 3 to 8 florets, the florets covered by silky hairs from the rachilla; glumes shorter than the florets. Lemmas hairless, with an awn-like tip; the rachilla with long silky hairs; palea well developed. Disarticulation above the glumes; unit of dispersal the floret (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### Habitat

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Margins of ponds, marshes, and river flood plains (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Hillside Rein Orchid - *Piperia elegans*

[http://FieldGuide.mt.gov/detail\\_PMORC1X010.aspx](http://FieldGuide.mt.gov/detail_PMORC1X010.aspx)



**Status Under Review**

**Global Rank:** G4  
**State Rank:** S3?

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

### **General Description**

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Stems 25–70 cm. Leaves oblong, 7–20 cm long. Inflorescence of crowded flowers, 9–30 cm long; bracts 5–8 mm long. Flowers white; sepals 4–5 mm long; lip petal 3–5 mm long; spur weakly curved, 8–12 mm long. Capsule 6–8 mm long (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### **Habitat**

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Drier, coniferous forest; valleys, montane (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Dense-flower Rein Orchid - *Piperia elongata*

[http://FieldGuide.mt.gov/detail\\_PMORC1X040.aspx](http://FieldGuide.mt.gov/detail_PMORC1X040.aspx)



**Status Under Review**

**Global Rank:** G3G5

**State Rank:** SNR

**AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

### General Description

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Stems 30–40 cm. Leaves oblong, 7–15 cm long. Inflorescence of overlapping flowers, 10–20 cm long; bracts 9–14 mm long. Flowers green; sepals 4–6 mm long; lip petal 4–6 mm long; spur weakly curved, 6–15 mm long. Capsule 5–10 mm long (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### Habitat

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Moist to wet meadows; valleys (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Alaska Rein Orchid - *Piperia unalascensis*

[http://FieldGuide.mt.gov/detail\\_PMORC1X030.aspx](http://FieldGuide.mt.gov/detail_PMORC1X030.aspx)



**Global Rank:** G5  
**State Rank:** S4

### **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

### **General Description**

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Stems 20–60 cm. Leaves oblong to oblanceolate, 6–20 cm long. Inflorescence of well-separated flowers, 6–25 cm long; bracts 2–6 mm long. Flowers yellowish-green; sepals 2–4 mm long; lip petal 2–3 mm long; spur clavate, 3–4 mm long. Capsule 5–8 mm long (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### **Habitat**

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Moist to more often dry forest, thickets, stream banks; valleys, montane (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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# Northern Green Orchid - *Platanthera aquilonis*

[http://FieldGuide.mt.gov/detail\\_PMORC1Y150.aspx](http://FieldGuide.mt.gov/detail_PMORC1Y150.aspx)



**Global Rank:** G5  
**State Rank:** S4

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

## General Description

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Stems 15–60 cm. Leaves cauline, 3–15 cm long, lanceolate. Inflorescence dense, 3–20 cm long with 8 to 50+ flowers; bracts 1–4 cm long. Flowers yellowish green; lateral sepals 3–6 mm long; hood 2–5 mm long; lip petal 3–5 mm long, narrowly lanceolate, spreading forward; spur cylindric, curved, 3–6 mm long. Capsule 10–15 mm long (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

Lesica (2012) treats this species as *Platanthera hyperborea* (L.) Lindl., but also points out the taxonomic difficulties associated with Montana material.

## Habitat

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Often calcareous fens, wet meadows, seeps; montane (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## White Bog Orchid - *Platanthera dilatata*

[http://FieldGuide.mt.gov/detail\\_PMORC1Y070.aspx](http://FieldGuide.mt.gov/detail_PMORC1Y070.aspx)



**Global Rank:** G5  
**State Rank:** S4

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

### General Description

---

Stems 15–70 cm. Leaves cauline, 3–20 cm long, lanceolate. Inflorescence dense, 4–25 cm long with 10 to 50+ flowers; bracts 5–40 mm long. Flowers white; lateral sepals 4–8 mm long; hood 4–6 mm long; lip petal 4–9 mm long, broadened at the base, pendent; spur sac-like to slender, curved, 2–12 mm long. Capsule 8–15 mm long (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### Habitat

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Wet soil of meadows, fens, thickets, open forest, often along streams, ditches; valleys to lower subalpine (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Huron Green Orchid - *Platanthera huronensis*

[http://FieldGuide.mt.gov/detail\\_PMORC1Y0B2.aspx](http://FieldGuide.mt.gov/detail_PMORC1Y0B2.aspx)



**Status Under Review**

**Global Rank:** G5T5?

**State Rank:** SU

### **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

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# Small Northern Bog Orchid - *Platanthera obtusata*

[http://FieldGuide.mt.gov/detail\\_PMORC1Y0J0.aspx](http://FieldGuide.mt.gov/detail_PMORC1Y0J0.aspx)



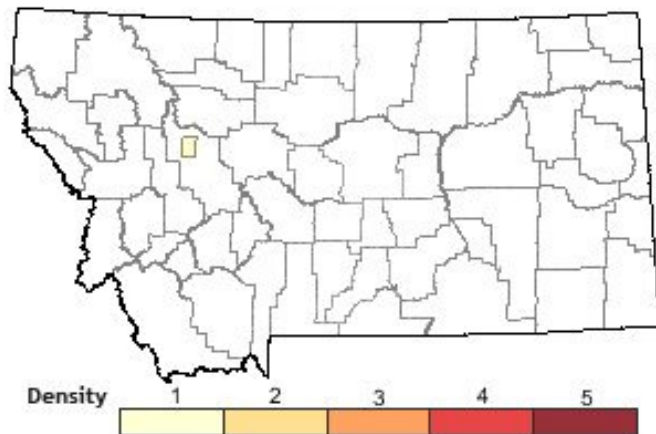
**Global Rank:** G5  
**State Rank:** S4

## **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**



**Number of Observations:** 1

## **General Description**

Stems scapose, 6–20 cm. Leaves basal, petiolate, solitary; blade 3–10 cm long, oblong to elliptic. Inflorescence open, 2–8 cm long with 2 to 12 flowers; bracts 5–15 mm long. Flowers greenish white; lateral sepals 3.5–5 mm long; hood 2–4 mm long; lip petal 3–5 mm long, nearly linear, reflexed parallel to the spur; spur slender and curved, 4–7 mm long. Capsule 6–8 mm long (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

Montana plants are subspecies *obtusata*.

## **Habitat**

Coniferous forest-fen ecotones, wet meadows, often beneath spruce; montane (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).



## Roundleaf Orchid - *Platanthera orbiculata*

[http://FieldGuide.mt.gov/detail\\_PMORC1Y0K0.aspx](http://FieldGuide.mt.gov/detail_PMORC1Y0K0.aspx)



**Global Rank:** G5  
**State Rank:** S3S4

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

### General Description

---

Stems scapose, 25–60 cm. Leaves basal, 2, opposite, appressed to the ground, broadly elliptic, 7–15 cm long, glossy. Inflorescence open, 5–20 cm long with 5 to 30 flowers; bracts 5–15 mm long. Flowers white; lateral sepals 6–10 mm long; hood 4–6 mm long; lip petal 7–13 mm long, linear-lanceolate, pendent; spur slender, curved, 10–20 mm long. Capsule 10–12 mm long, cylindric (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

Our plants are variety *orbiculata*.

### Habitat

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Moist coniferous forest; valleys to lower subalpine (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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# Slender Bog Orchid - *Platanthera stricta*

[http://FieldGuide.mt.gov/detail\\_PMORC1Y1A0.aspx](http://FieldGuide.mt.gov/detail_PMORC1Y1A0.aspx)



**Global Rank:** G5  
**State Rank:** S4

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

## General Description

---

Stems 20–80 cm. Leaves cauline, 3–12 cm long, oblong to lanceolate. Inflorescence 6–25 cm long with 5 to 40 flowers; bracts 6–40 mm long. Flowers yellowish green; lateral sepals 3–7 mm long; hood 2–5 mm long; lip petal 4–6 mm long, narrowly lanceolate, pendent; spur sac-like, shallowly 2-lobed, 2–4 mm long. Capsule 8–11 mm long (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## Habitat

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Wet meadows, fens, thickets, moist forest openings, more common in non-calcareous soils; valleys to lower subalpine (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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# Patterson's Bluegrass - *Poa abbreviata ssp. pattersonii*

[http://FieldGuide.mt.gov/detail\\_PMPOA4Z015.aspx](http://FieldGuide.mt.gov/detail_PMPOA4Z015.aspx)



**Status Under Review**

**Global Rank:** G5T5  
**State Rank:** SU

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

## General Description

---

Perennial bunchgrass. Stems 10–20 cm. Leaves: blades 0.5–2 mm wide; ligules 1–5 mm long. Inflorescence a contracted panicle 2–5 cm long. Spikelets 4–6 mm long. Lemmas keeled, densely hairy to cobwebby on keel and marginal veins. Treated in Lesica (2012) as *Poa pattersonii* (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## Habitat

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Alpine meadows and ridges or other open exposed sites (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Alpine Bluegrass - *Poa alpina*

[http://FieldGuide.mt.gov/detail\\_PMPOA4Z030.aspx](http://FieldGuide.mt.gov/detail_PMPOA4Z030.aspx)



**Global Rank:** G5  
**State Rank:** S4

### **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

### **General Description**

---

Perennial bunchgrass. Stems 10–30 cm. Leaves: blades 2–4.5 mm wide; ligules 2–4 mm long. Inflorescence a pyramidal panicle 3–7 cm long. Spikelets 4–6.5 mm long. Lemmas strongly keeled and uniformly hairy. Mostly subalpine to alpine or montane open understory (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### **Habitat**

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Mostly subalpine to alpine or montane open understory (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Annual Bluegrass - *Poa annua*

[http://FieldGuide.mt.gov/detail\\_PMPOA4Z060.aspx](http://FieldGuide.mt.gov/detail_PMPOA4Z060.aspx)



**Exotic Species (not native to Montana)**

**Global Rank:** GNR

**State Rank:** SNA

### **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

### **General Description**

---

Perennial bunchgrass. Stems usually decumbent, 5–20 cm long. Leaves: blades 1–3 mm wide; ligules 0.5–3 mm long. Inflorescence usually a pyramidal panicle 2–6 cm long. Spikelets 3–5 mm long. Lemmas distinctly keeled, conspicuously hairy at least at base along the midrib (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### **Habitat**

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Lawns, pastures, roadsides, and moist disturbed sites (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Arctic Bluegrass - *Poa arctica*

[http://FieldGuide.mt.gov/detail\\_PMPOA4Z080.aspx](http://FieldGuide.mt.gov/detail_PMPOA4Z080.aspx)



**Status Under Review**

**Global Rank:** G5  
**State Rank:** S2S3

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

### General Description

---

Rhizomatous perennial. Stems 20–60 cm. Leaves: blades 2–5 mm wide, basal; ligules 2–7 mm long. Inflorescence an open pyramidal panicle 4–12 cm long. Spikelets 5–8 mm long. Lemmas with cobwebby hairs at base, conspicuously hairy on keel and margin veins at least on the lower half (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### Habitat

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Alpine to subalpine (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Prairie Bluegrass - *Poa arida*

[http://FieldGuide.mt.gov/detail\\_PMPOA4Z090.aspx](http://FieldGuide.mt.gov/detail_PMPOA4Z090.aspx)



**Status Under Review**

**Global Rank:** G5  
**State Rank:** S3?

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

### General Description

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Rhizomatous perennial sometimes loosely bunched. Stems 20–60 cm. Leaves: blades 2–4 mm wide, mostly on stem towards stem base; ligules 2–4 mm long. Inflorescence usually a narrow panicle, less commonly open, 5–11 cm long. Spikelets 4–7 mm long. Lemmas lightly hairy on the keel and marginal veins (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### Habitat

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Shrub steppe and similar open dry sites (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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# Short-leaved Bluegrass - *Poa arnowiae*

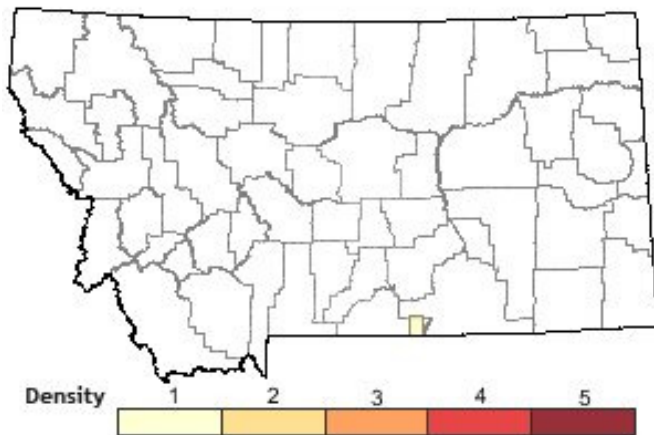
[http://FieldGuide.mt.gov/detail\\_PMPOA4Z0M0.aspx](http://FieldGuide.mt.gov/detail_PMPOA4Z0M0.aspx)



**Status Under Review**

**Global Rank:** G4  
**State Rank:** SU

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**



**Number of Observations:** 1

## General Description

Short-leaved Bluegrass is a rhizomatous perennial with stems that are 3-6 dm tall. Leaf blades are short, flat, often drooping, and 3-5 mm wide with prow-like tips. Leaf sheaths surrounding the stem are glabrous and closed nearly to the top. There is a lance-shaped white membrane, or ligule, that is 1-2 mm long and located where the blade meets the sheath. Foliage is glabrous or slightly roughened. The spikelets are 6-9 mm long and are borne on branch tips in a small, open inflorescence. Each spikelet has 2 glumes at the base enfolding the 3-4 flowers. Lemmas are ca. 5 mm long, strongly keeled, prominently nerved, and nearly glabrous. Each flower has both fertile stamens and a pistil.

## Habitat

Sparsely vegetated soil of Douglas-fir forest floor in the montane zone.

## Bulbous Bluegrass - *Poa bulbosa*

[http://FieldGuide.mt.gov/detail\\_PMPOA4Z0F0.aspx](http://FieldGuide.mt.gov/detail_PMPOA4Z0F0.aspx)



**Exotic Species (not native to Montana)**

**Global Rank:** GNR

**State Rank:** SNA

**AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

### General Description

---

Perennial bunchgrass. Stems 20–60 cm, with a bulbous base. Leaves: blades 1–2.5 mm wide, mostly basal; ligules 1–3 mm long. Inflorescence a contracted panicle, 3–10 cm long. Spikelets 4–15 mm long. Lemmas usually transformed into small vegetative bulbs, hairy along veins. Roadsides, trailsides, open dry sites (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### Habitat

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Roadsides, trailsides, open dry sites (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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# Canada Bluegrass - *Poa compressa*

[http://FieldGuide.mt.gov/detail\\_PMPOA4Z0K0.aspx](http://FieldGuide.mt.gov/detail_PMPOA4Z0K0.aspx)



**Exotic Species (not native to Montana)**

**Global Rank:** GNR

**State Rank:** SNA

## **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

## **General Description**

---

Rhizomatous perennial. Stems 20–50 dm, wiry and flattened, nodes often distinctly bent and banded with contrasting lighter and darker bands. Leaves: blades 1.5–4 mm wide, from stem, rarely basal; ligules 1–3 mm long. Inflorescence a narrow panicle 2–8 cm long. Spikelets 3–6 mm long. Lemmas with cobwebby hairs at very base (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## **Habitat**

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Roadside, road cuts, trailside, along ditches, and on open slopes and other open site with a combination of moisture and regular moderate disturbance (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Cusick's Bluegrass - *Poa cusickii*

[http://FieldGuide.mt.gov/detail\\_PMPOA4Z0P0.aspx](http://FieldGuide.mt.gov/detail_PMPOA4Z0P0.aspx)



**Global Rank:** G5  
**State Rank:** SNR

### **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

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## Muttongrass - *Poa fendleriana*

[http://FieldGuide.mt.gov/detail\\_PMPOA4Z0V0.aspx](http://FieldGuide.mt.gov/detail_PMPOA4Z0V0.aspx)



**Status Under Review**

**Global Rank:** G5

**State Rank:** SU

### **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

### **General Description**

---

Perennial bunchgrass. Stems 20–60 cm. Leaves: blades 1–3 mm wide; ligule 1–6 mm long. Inflorescence a contracted panicle 2–11 cm long. Spikelets 4–8 mm long. Lemmas mostly without hairs in MT except at base, keeled (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### **Habitat**

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Shrub-steppe to montane understory to open subalpine and alpine settings (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## White Bluegrass - *Poa glauca*

[http://FieldGuide.mt.gov/detail\\_PMPOA4Z0Z0.aspx](http://FieldGuide.mt.gov/detail_PMPOA4Z0Z0.aspx)



**Status Under Review**

**Global Rank:** G5  
**State Rank:** SU

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

### General Description

---

Perennial bunchgrass. Stems 10–20 cm. Leaves: blades mostly 1–2.5 mm wide, ligules 1–4 mm long. Inflorescence a narrow panicle 2–8 cm long. Spikelets 4–6 mm long. Lemmas covered with few hairs or hairy to sometimes cobwebby on keel and marginal veins (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### Habitat

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Alpine and subalpine settings (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Inland Bluegrass - *Poa interior*

[http://FieldGuide.mt.gov/detail\\_PMPOA4Z170.aspx](http://FieldGuide.mt.gov/detail_PMPOA4Z170.aspx)



**Status Under Review**

**Global Rank:** G5

**State Rank:** SU

### **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

### **General Description**

---

Perennial bunchgrass. Stems 10–50 cm. Leaves: blades 1–3 mm wide; ligules 1–2 mm long. Inflorescence a narrow panicle 4–15 cm long. Spikelets 3–5 mm long. Lemmas mostly glabrous but with cobwebby hairs at very base (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### **Habitat**

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Montane grassy slopes and open forest to occasionally alpine (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Mt. Washington Bluegrass - *Poa laxa*

[http://FieldGuide.mt.gov/detail\\_PMPOA4Z1D0.aspx](http://FieldGuide.mt.gov/detail_PMPOA4Z1D0.aspx)



**Status Under Review**

**Global Rank:** G5?

**State Rank:** SU

**AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

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# Banff Loose-flowered Bluegrass - *Poa laxa* ssp. *banffiana*

[http://FieldGuide.mt.gov/detail\\_PMPOA4Z1D1.aspx](http://FieldGuide.mt.gov/detail_PMPOA4Z1D1.aspx)

## Species of Concern

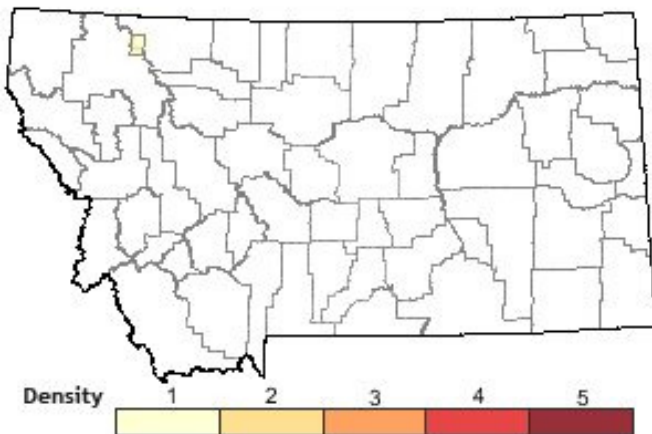
Global Rank: G5?T1  
State Rank: S1

## AGENCY STATUS

USFWS:

USFS:

BLM:



Number of Observations: 1

## General Description

Banff Loose-flowered Bluegrass is a small, tuft-forming perennial with flowering stems that stand 8-25 cm tall and grow intermingled with shorter vegetative shoots. The leaves are 1-3 mm wide and have flat or folded blades and tips shaped like the prow of a boat. Spikelets are borne in a narrow, somewhat loose, compoundly branched inflorescence which is 2.5-8 cm long. The spikelets are strongly compressed, and each consists of 2 glumes which enclose 2-5 florets. The second glume is about the same length as or slightly longer than the lemma of the lowest floret, which is 3-4.6 mm long. The lemmas are distinctly hairy on the keel and lateral veins but lack cobwebby hairs at the base.

## Habitat

North-facing mudstone slopes in the alpine zone.

# Bog Bluegrass - *Poa leptocoma*

[http://FieldGuide.mt.gov/detail\\_PMPOA4Z1G0.aspx](http://FieldGuide.mt.gov/detail_PMPOA4Z1G0.aspx)



**Status Under Review**

**Global Rank:** G5  
**State Rank:** S3?

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

## General Description

---

Perennial bunchgrass. Stems 20–100 cm. Leaves: blades 1–4 mm wide; ligules 2–4 mm long. Inflorescence a loosely contracted panicle, 5–15 cm long, the branches slender and capillary. Spikelets 4–7 mm long. Lemmas hairy mostly along midrib and to some degree along the marginal veins, keeled (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## Habitat

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Moist alpine and subalpine meadows (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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# Letterman's Bluegrass - *Poa lettermanii*

[http://FieldGuide.mt.gov/detail\\_PMPOA4Z1H0.aspx](http://FieldGuide.mt.gov/detail_PMPOA4Z1H0.aspx)



**Status Under Review**

**Global Rank:** G4  
**State Rank:** S3S4

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

## General Description

---

Perennial bunchgrass. Stems 2–10 cm. Leaves: blades 0.5–2 mm wide; ligules 1–3 mm long. Inflorescence a contracted panicle 1–3 cm long. Spikelets 3–4 mm long. Lemmas hairless, keeled (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## Habitat

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Grows mostly in high alpine tundra.

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## Fowl Bluegrass - *Poa palustris*

[http://FieldGuide.mt.gov/detail\\_PMPOA4Z1X0.aspx](http://FieldGuide.mt.gov/detail_PMPOA4Z1X0.aspx)



**Global Rank:** G5  
**State Rank:** SU

### **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

### **General Description**

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Perennial bunchgrass, often stoloniferous. Stems loosely bunched, 40–100 cm. Leaves: blades 2–8 mm wide; ligules 2–5 mm long. Inflorescence an open panicle 13–30 cm long. Spikelets mostly 3–4 mm long. Lemmas mostly hairless but with cobwebby hairs at very base, strongly keeled (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### **Habitat**

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Meadows and open ground at low to middle elevations (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Kentucky Bluegrass - *Poa pratensis*

[http://FieldGuide.mt.gov/detail\\_PMPOA4Z210.aspx](http://FieldGuide.mt.gov/detail_PMPOA4Z210.aspx)



**Exotic Species (not native to Montana)**

**Global Rank:** G5

**State Rank:** SNA

**AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

### General Description

---

Perennial rhizomatous sodgrass. Stems 10–80 cm. Leaves: blades 2–4 mm wide, mostly basal; ligules 1–2 mm long. Inflorescence an open pyramidal panicle, 3–13 cm long. Spikelets 4–6 mm long. Lemmas with a cobwebby base and hairy along the mid and margin veins (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### Habitat

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Low to high elevations in open vegetation, roadsides, dry meadows, lawns, and riparian habitats. Introduced and native and a fairly aggressive colonizer (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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# Nodding Bluegrass - *Poa reflexa*

[http://FieldGuide.mt.gov/detail\\_PMPOA4Z240.aspx](http://FieldGuide.mt.gov/detail_PMPOA4Z240.aspx)



**Status Under Review**

**Global Rank:** G5  
**State Rank:** SU

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

## General Description

---

Perennial bunchgrass. Stems few-bunched, 20–40 cm. Leaves: blades 2–4 mm wide; ligules 1.5–3.5 mm long. Inflorescence a nodding open panicle 5–13 cm long, the branches delicate and capillary, the lowermost often oriented downward. Spikelets 4–6 mm long. Lemmas with a cobwebby base, hairy on keel and especially along the marginal veins (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## Habitat

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Moderately disturbed settings in the mountains, including road cuts, steep slopes with loose soil, and open understory (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Sandberg Bluegrass - *Poa secunda*

[http://FieldGuide.mt.gov/detail\\_PMPOA4Z2Y0.aspx](http://FieldGuide.mt.gov/detail_PMPOA4Z2Y0.aspx)



**Global Rank:** G5  
**State Rank:** S5

### **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

### **General Description**

---

Perennial bunchgrass. Stems 20–120 cm. Leaves: blades 1–3 mm wide; ligules 1–5 mm long. Inflorescence a contracted to open panicle mostly 7–24 cm long. Spikelets 6–10 mm long. Lemmas hairless or scabrous to short-hairy, rounded on back (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### **Habitat**

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Shrub steppe vegetation and in open dry and saline settings throughout the state from low to high elevations (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Narrow-flower Bluegrass - *Poa stenantha*

[http://FieldGuide.mt.gov/detail\\_PMPOA4Z2C0.aspx](http://FieldGuide.mt.gov/detail_PMPOA4Z2C0.aspx)



**Status Under Review**

**Global Rank:** G5

**State Rank:** SU

**AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

### General Description

---

Perennial bunchgrass. Stems 30–60 cm. Leaves: blades 2–4 mm wide; ligules 2–5 mm long. Inflorescence a nodding panicle 5–16 cm long. Spikelets 7–9 mm long. Lemmas hairy on veins, keeled (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### Habitat

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Wet mountain meadows (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Rough Bluegrass - *Poa trivialis*

[http://FieldGuide.mt.gov/detail\\_PMPOA4Z2H0.aspx](http://FieldGuide.mt.gov/detail_PMPOA4Z2H0.aspx)



**Exotic Species (not native to Montana)**

**Global Rank:** GNR

**State Rank:** SNA

**AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

### General Description

---

Perennial rhizomatous. Stems loosely bunched, 40–100 cm tall, often decumbent and rooting at nodes. Leaves: blades 2–5 mm wide, lax, somewhat scabrous, ligules 3–10 mm long. Inflorescence an oblong open panicle 8–25 cm long. Spikelets 3–5 mm long. Lemmas 2.5–3.5 mm long, with a cobwebby base, keeled (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### Habitat

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Moist disturbed settings (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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# Wheeler's Bluegrass - *Poa wheeleri*

[http://FieldGuide.mt.gov/detail\\_PMPOA4Z360.aspx](http://FieldGuide.mt.gov/detail_PMPOA4Z360.aspx)



**Global Rank:** G5?  
**State Rank:** S4S5

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

## General Description

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Perennial bunchgrass sometimes with short rhizomes (i.e., widely diverging tillers). Stems 40–70 cm tall, erect, sheaths glabrous to more commonly short hairy or scabrous. Leaves: blades 2–3.5 mm wide, ligules 0.5–2 mm long. Inflorescence an open panicle, often nodding, 5–11 cm long. Spikelets 6–9 mm long. Lemmas 3–6 mm long, hairless or scabrous (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## Habitat

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Open to closed montane understory (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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# Rabbit's-foot Grass - *Polypogon monspeliensis*

[http://FieldGuide.mt.gov/detail\\_PMPOA50050.aspx](http://FieldGuide.mt.gov/detail_PMPOA50050.aspx)



**Exotic Species (not native to Montana)**

**Global Rank:** GNR

**State Rank:** SNA

## **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

## **General Description**

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Cool season, annual bunchgrass. Stems erect to decumbent, 10–50 cm. Leaves: blades 4–6 mm wide, flat and ascending; sheaths with overlapping margins; ligule membranous. Inflorescence a dense spike-like panicle, 2–15 cm long, tawny yellowish to whitish when mature. Spikelets with 1 floret, 2–2.5 mm long excluding the awns, glumes with awns 5–10 mm long, enclosing the floret. Lemmas 1–1.5 mm long, awned from near the tip with a delicate awn no longer than the lemma; palea well developed. Disarticulation below glumes; unit of dispersal the spikelet (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## **Habitat**

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Disturbed places with moist soil including shady stream and ditch banks (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Northern Pondweed - *Potamogeton alpinus*

[http://FieldGuide.mt.gov/detail\\_PMPOT03010.aspx](http://FieldGuide.mt.gov/detail_PMPOT03010.aspx)



**Global Rank:** G5  
**State Rank:** SNR

### **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

### **General Description**

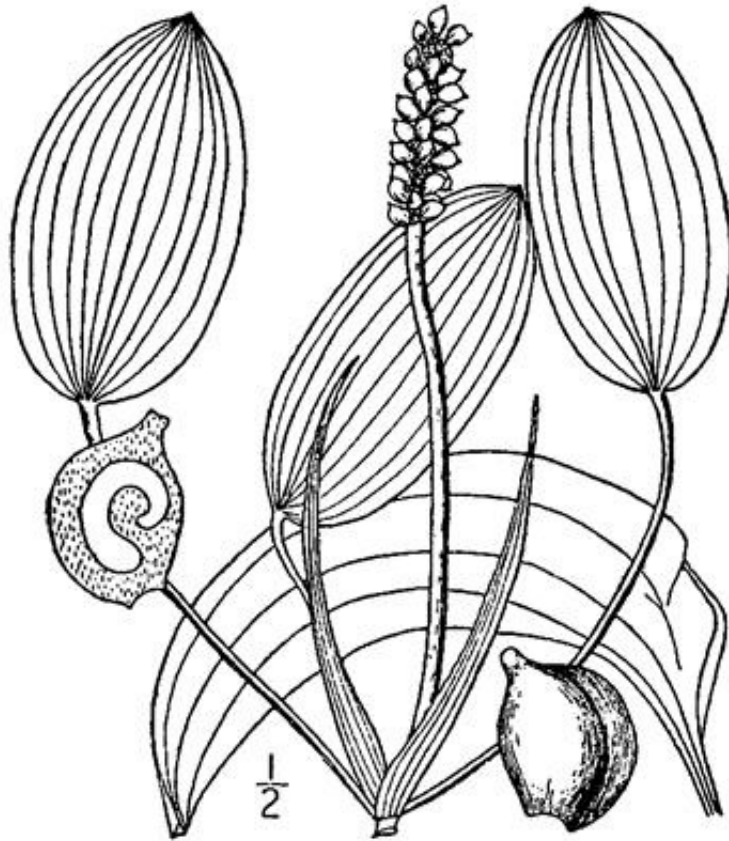
Stems terete, little branched. Submersed leaves linear-lanceolate, 4–12 cm × 5–12 mm; stipules 15–35 mm long, not closely sheathing. Floating leaves (often lacking) short-petiolate; blades oblanceolate to narrowly elliptic, reddish, 4–7 cm long. Spikes to 13 cm long, continuous. Tepals green. Shallow, fresh or alkaline water of ponds, lakes; valleys, montane becoming reddish, 2–3 mm long. Fruits 3–4 mm long, keeled with a curved beak (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### **Habitat**

Shallow to deep, fresh water of lakes, ponds; valleys, montane (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## Largeleaf Pondweed - *Potamogeton amplifolius*

[http://FieldGuide.mt.gov/detail\\_PMPOT03020.aspx](http://FieldGuide.mt.gov/detail_PMPOT03020.aspx)



**Global Rank:** G5  
**State Rank:** SNR

### **AGENCY STATUS**

**USFWS:**

**USFS:**

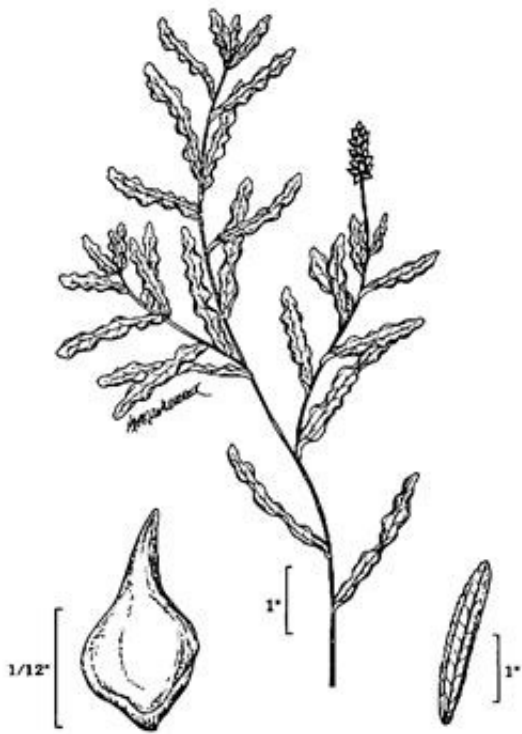
**BLM:**

**Number of Observations:** 0

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# Curly Pondweed - *Potamogeton crispus*

[http://FieldGuide.mt.gov/detail\\_PMPOT03060.aspx](http://FieldGuide.mt.gov/detail_PMPOT03060.aspx)



**Noxious Weed**

**Exotic Species (not native to Montana)**

**Global Rank:** G5

**State Rank:** SNA

**AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

## General Description

Plants producing turions. Stems flattened, branched. Submersed leaves linear-oblong with serrate, wavy margins, sessile with a clasping base, 3–8 cm × 4–10 mm; stipules 3–7 mm long, shredding early. Floating leaves absent. Spikes 1–2 cm long, continuous. Tepals yellowish, ca. 1 mm long. Fruits 5–6 mm long, keeled with a straight beak (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## Habitat

Shallow to deep, fresh or saline water of ponds, lakes, slow streams; plains, valleys (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).PLACEHOLDER (field is currently blank)

## Water-thread Pondweed - *Potamogeton diversifolius*

[http://FieldGuide.mt.gov/detail\\_PMPOT03070.aspx](http://FieldGuide.mt.gov/detail_PMPOT03070.aspx)



**Global Rank:** G5  
**State Rank:** SNR

### **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

### **General Description**

Stems terete, branched. Submersed leaves linear, 1–3 cm × =1 mm, attached to the stipule; stipules 2–6 mm long, sheathing. Floating leaves petiolate; blades elliptic 1–3 cm long. Spikes 2–10 mm long, continuous with a peduncle 3–15 mm long, much shorter below than above, continuous. Tepals green, =1 mm long. Fruits 1–2 mm long, keeled with a minute beak (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### **Habitat**

Shallow, fresh or saline water of ponds, lakes; plains, valleys, montane (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## Nuttall's Pondweed - *Potamogeton epihydrus*

[http://FieldGuide.mt.gov/detail\\_PMPOT03080.aspx](http://FieldGuide.mt.gov/detail_PMPOT03080.aspx)



**Global Rank:** G5  
**State Rank:** SNR

### **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

### **General Description**

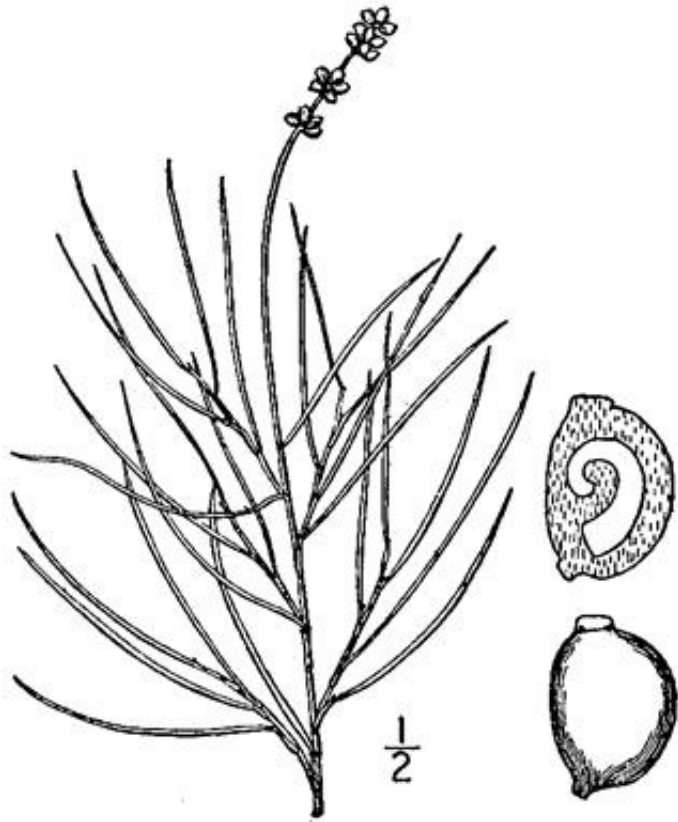
Stems flattened, little branched. Submersed leaves linear, 5–20 cm × 2–8 mm; stipules 8–20 mm long, not sheathing, deciduous. Floating leaves petiolate; blades elliptic, 2–6 cm long. Spikes 15–40 mm long, continuous. Tepals green, 1–3 mm long. Fruits 2–4 mm long, strongly keeled with a minute beak (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### **Habitat**

Shallow, fresh water of ponds, sloughs, lakes; valleys (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## Slender Pondweed - *Potamogeton filiformis*

[http://FieldGuide.mt.gov/detail\\_PMPOT03090.aspx](http://FieldGuide.mt.gov/detail_PMPOT03090.aspx)



**Global Rank:** G5  
**State Rank:** SU

### **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

### **General Description**

Plants tuberous. Stems terete, branched. Submersed leaves filiform, only the ultimate 1 mm tapered, 1–8 cm × 1–2 mm, attached to the stipule; lower stipules 5–15 mm long, sheathing. Floating leaves absent. Spikes 1–5 cm long with distinct whorls of flowers. Tepals brownish, 1–2 mm long. Fruits 2–3 mm long, obscurely keeled with a minute beak (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### **Habitat**

(Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX). (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).



## Leafy Pondweed - *Potamogeton foliosus*

[http://FieldGuide.mt.gov/detail\\_PMPOT030B0.aspx](http://FieldGuide.mt.gov/detail_PMPOT030B0.aspx)



**Global Rank:** G5  
**State Rank:** SNR

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

### General Description

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Stems slightly compressed, branched. Submersed leaves linear 1–4 cm × ca. 1 mm; stipules 5–10 mm long, sheathing but fraying above. Floating leaves absent. Spikes capitate, 1–6 mm long. Tepals green, =1 mm long. Fruits 1.5–2 mm long, keeled with a minute, erect beak (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

Our plants are variety *foliosus*.

### Habitat

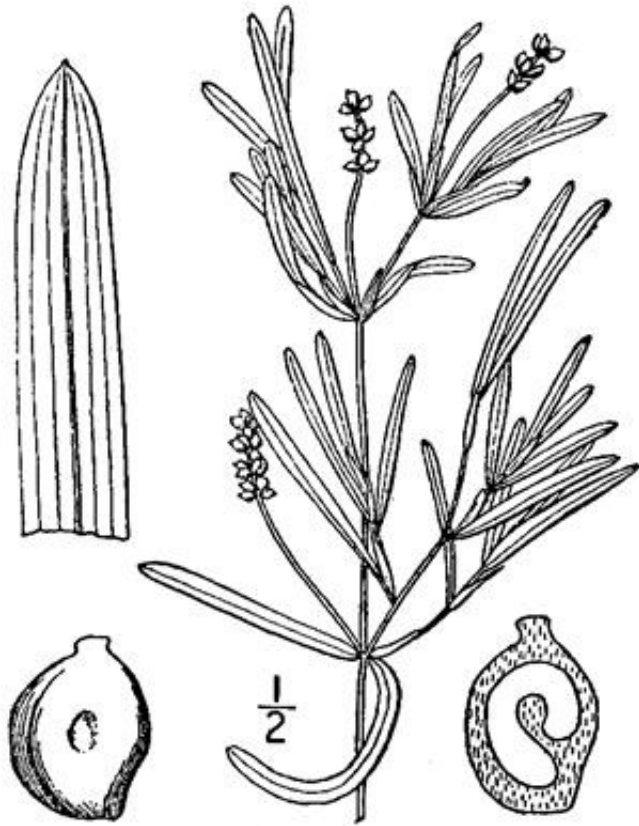
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Shallow, fresh water of ponds, ditches, sloughs; valleys (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Fries' Pondweed - *Potamogeton friesii*

[http://FieldGuide.mt.gov/detail\\_PMPOT030C0.aspx](http://FieldGuide.mt.gov/detail_PMPOT030C0.aspx)



**Global Rank:** G4  
**State Rank:** SNR

### **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

### **General Description**

Stems branched, slightly compressed with globose glands at the nodes. Submersed leaves linear, 1–8 cm × 1–3 mm; stipules 6–18 mm long, sheathing but fraying with age. Floating leaves absent. Spikes ca. 1 cm long with separate whorls of flowers. Tepals green, 1–2 mm long. Fruits ca. 2 mm long, barely keeled with a curved beak (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

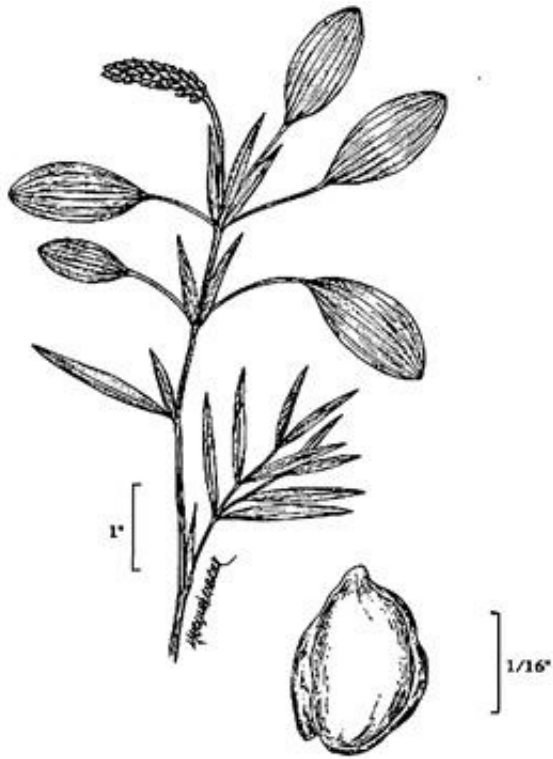
### **Habitat**

Fresh, usually shallow water of lakes, ponds; plains, valleys (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).



## Grassy Pondweed - *Potamogeton gramineus*

[http://FieldGuide.mt.gov/detail\\_PMPOT030D0.aspx](http://FieldGuide.mt.gov/detail_PMPOT030D0.aspx)



**Global Rank:** G5  
**State Rank:** S4

### **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

### **General Description**

Stems terete, branched. Submersed leaves linear to linear-lanceolate, 2–10 cm × 3–15 mm; stipules 1–3 cm long, not sheathing. Floating leaves long-petiolate; blades elliptic, 2–7 cm long. Spikes 15–40 mm long, continuous. Tepals green, ca. 2 mm long. Fruits 2–3 mm long, keeled with a short, curved beak (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### **Habitat**

Shallow or deep, sometimes alkaline water of ponds, lakes; plains, valleys, montane (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

# Illinois Pondweed - *Potamogeton illinoensis*

[http://FieldGuide.mt.gov/detail\\_PMPOT030G0.aspx](http://FieldGuide.mt.gov/detail_PMPOT030G0.aspx)



**Global Rank:** G5  
**State Rank:** SNR

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

## General Description

Stems terete, sometimes branched. Submersed leaves short-petiolate; blades linear-lanceolate to oblanceolate, 6–20 cm × 15–35 mm; stipules 2–6 cm long, not sheathing. Floating leaves (often absent) petiolate; blades elliptic, 3–12 cm long. Spikes stout, 2–7 cm long. Tepals green, 2–3 mm long. Fruits 3–4 mm long, keeled with a rounded beak ca. 1 mm long (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## Habitat

Moderate to deep, fresh water of lakes, sloughs, rivers; valleys (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## Floating Pondweed - *Potamogeton natans*

[http://FieldGuide.mt.gov/detail\\_PMPOT030N0.aspx](http://FieldGuide.mt.gov/detail_PMPOT030N0.aspx)



**Global Rank:** G5  
**State Rank:** SNR

### **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

### **General Description**

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Rhizomatous. Stems terete, little branched. Submersed leaves linear, terete, 8–15 cm × ca. 1 mm; stipules 2–12 cm long, not sheathing. Floating leaves long-petiolate; blades elliptic to ovate, 3–9 cm long. Spikes 3–5 cm long, continuous. Tepals green, 1–2 mm long. Fruits 4–5 mm long, rounded on back with a curved beak ca. 1 mm long (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### **Habitat**

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Shallow to deep water of ponds, lakes, sloughs; valleys (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Longleaf Pondweed - *Potamogeton nodosus*

[http://FieldGuide.mt.gov/detail\\_PMPOT030P0.aspx](http://FieldGuide.mt.gov/detail_PMPOT030P0.aspx)



**Global Rank:** G5  
**State Rank:** SNR

### **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

### **General Description**

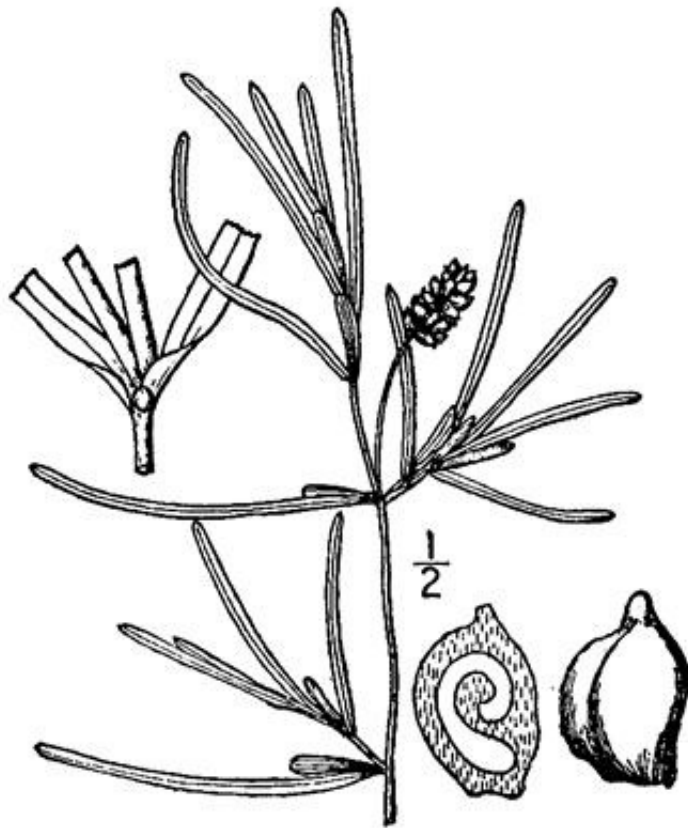
Stems terete, little branched. Submersed leaves petiolate; blades lanceolate, 10–20 cm × 8–20 mm; stipules 2–12 cm long, not sheathing, deciduous. Floating leaves long-petiolate; blades narrowly elliptic, 5–12 cm long. Spikes stout, 3–6 cm long, continuous. Tepals green, 1–3 mm long. Fruits 3–4 mm long, rounded on back with a short beak (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### **Habitat**

Shallow water of ponds; plains, valleys (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## Blunt-leaved Pondweed - *Potamogeton obtusifolius*

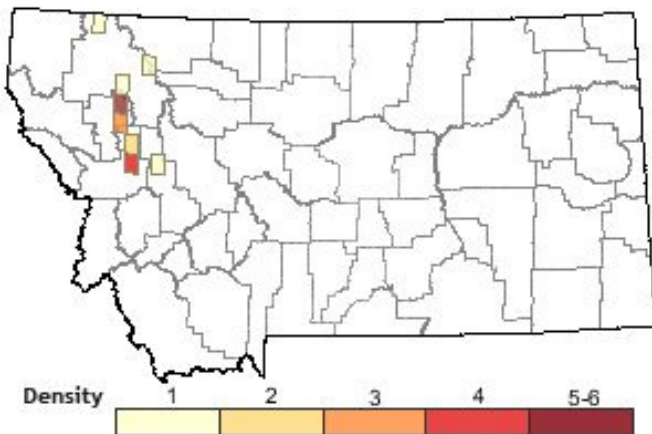
[http://FieldGuide.mt.gov/detail\\_PMPOT030R0.aspx](http://FieldGuide.mt.gov/detail_PMPOT030R0.aspx)



### Species of Concern

**Global Rank:** G5  
**State Rank:** S3

**AGENCY STATUS**  
**USFWS:**  
**USFS:** SENSITIVE  
**BLM:**



**Number of Observations:** 19

### General Description

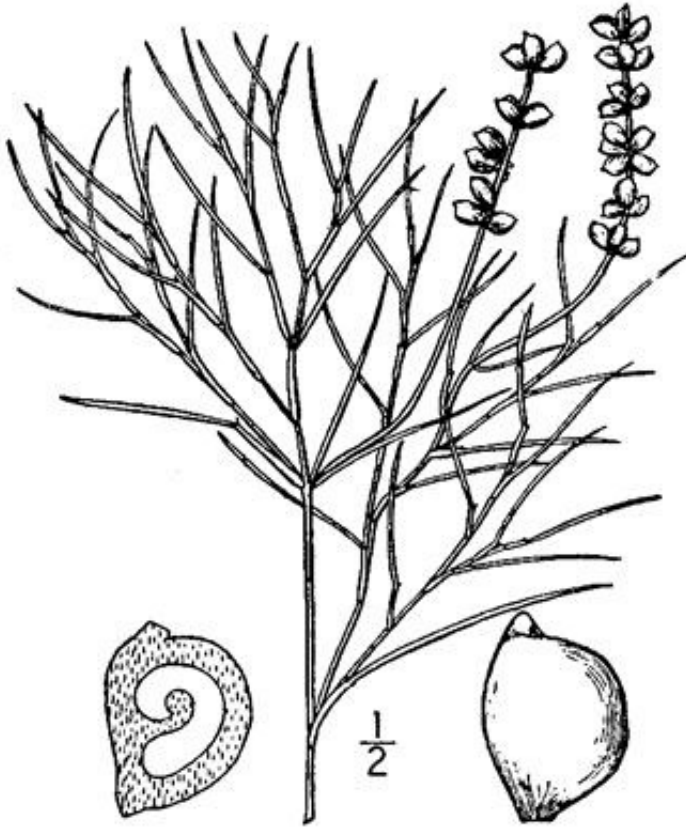
Blunt-leaved Pondweed is an aquatic, rhizomatous perennial with slender, submergent, or floating stems that are up to 100 cm long. The leaves are linear, 3-10 cm long, and 2-4 mm wide, each with a small round gland on either side at the base. There is a white-membranous leaf stipule that surrounds the stem above the point where the leaf diverges. Herbage is glabrous. The minute flowers are borne on long-stalked, narrow, interrupted spikes in the axils of the upper leaves. The flowers consist only of the stamens and an ovary; there are no petals or sepals. The achene is oval in outline, 3-4 mm long, and compressed with a keel on the outer edge.

### Habitat

Shallow water of lakes, ponds, and sloughs in the valley, foothill, and montane zones.

## Sago Pondweed - *Potamogeton pectinatus*

[http://FieldGuide.mt.gov/detail\\_PMPOT030S0.aspx](http://FieldGuide.mt.gov/detail_PMPOT030S0.aspx)



**Global Rank:** G5  
**State Rank:** SNR

### **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

### **General Description**

Plants tuberous. Stems terete, branched. Submersed leaves filiform,, 1–10 cm × <1 mm, tapering at the tip for >3 mm, attached to the stipule; lower stipules 16–30 mm long, sheathing. Floating leaves absent. Spikes 1–5 cm long with distinct whorls of flowers. Tepals brownish-green, 1–1.5 mm long. Fruits 3–4 mm long, obscurely keeled with a slender, curved beak (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

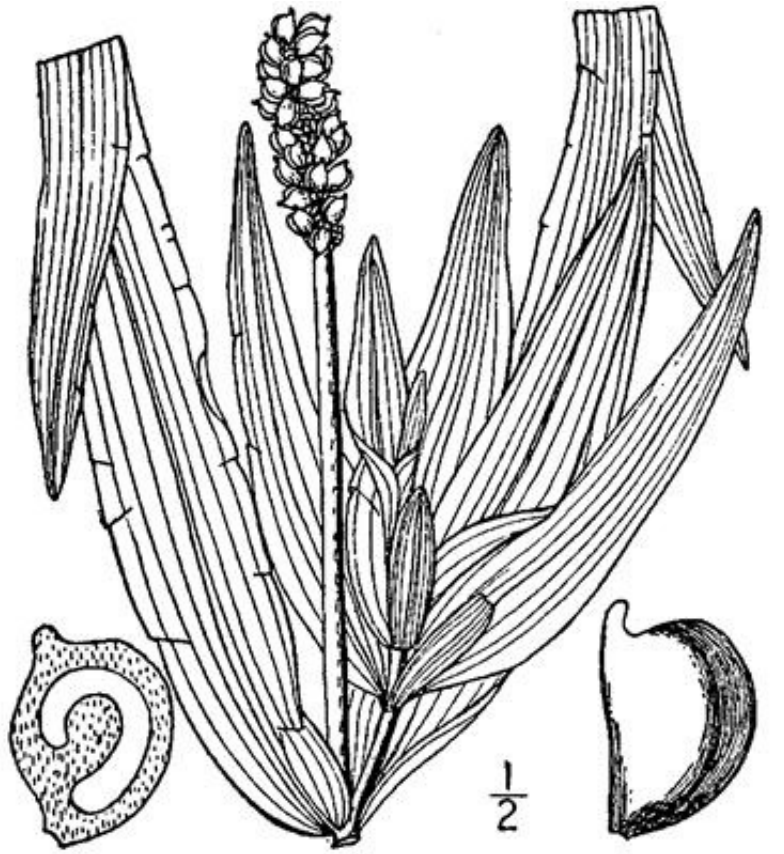
### **Habitat**

Shallow to deep, often saline or alkaline water of ponds, lakes, streams, ditches; plains, valleys, montane (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).



## White-stem Pondweed - *Potamogeton praelongus*

[http://FieldGuide.mt.gov/detail\\_PMPOT030V0.aspx](http://FieldGuide.mt.gov/detail_PMPOT030V0.aspx)



**Global Rank:** G5  
**State Rank:** SNR

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

### General Description

Stems terete, little branched, somewhat zigzag. Submersed leaves sessile, clasping, lanceolate, minutely wavy, 6–20 × ca. 1 cm; stipules 2–7 cm long, not sheathing. Floating leaves absent. Spikes 2–4 cm long, continuous. Tepals green, 2–3 mm long. Fruits 4–5 mm long, keeled with an erect beak (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### Habitat

Deep water of large lakes; valleys (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## Slender Pondweed - *Potamogeton pusillus*

[http://FieldGuide.mt.gov/detail\\_PMPOT030X0.aspx](http://FieldGuide.mt.gov/detail_PMPOT030X0.aspx)



**Global Rank:** G5  
**State Rank:** SNR

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

### General Description

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Stems terete, branched, often with globose glands at some nodes. Submersed leaves linear 1–6 cm × 1–2 mm; stipules 5–30 mm long, sheathing or not but quickly fraying. Floating leaves absent. Spikes 5–12 mm long, continuous or with distinct whorls of flowers. Tepals green, 1–1.5 mm long. Fruits 1–2 mm long, obscurely keeled with a short, curved beak (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### Habitat

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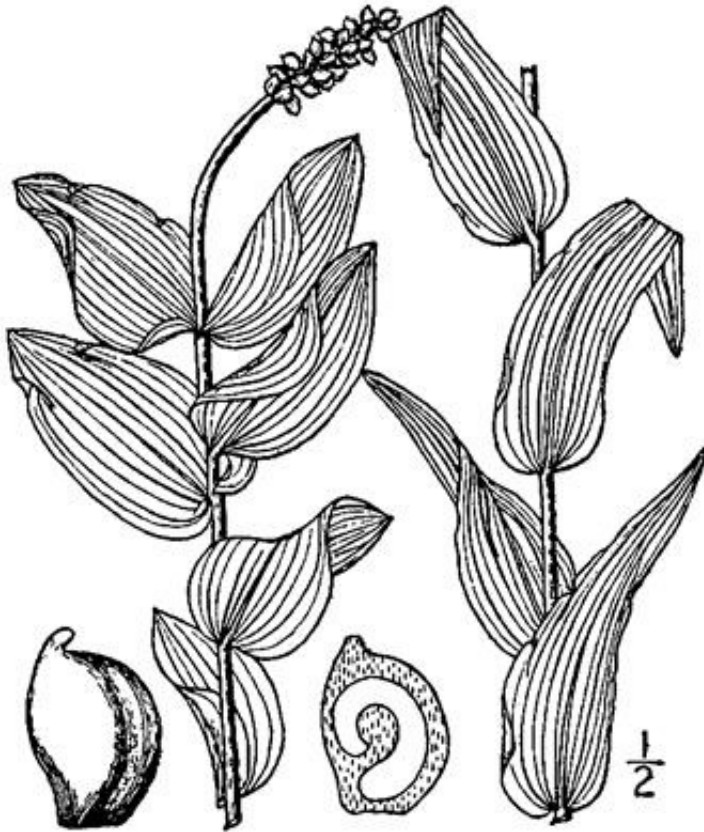
Shallow to deep, fresh to saline water of ponds, lakes, marshes, slow streams; plains, valleys, montane (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Richardson's pondweed - *Potamogeton richardsonii*

[http://FieldGuide.mt.gov/detail\\_PMPOT030Y0.aspx](http://FieldGuide.mt.gov/detail_PMPOT030Y0.aspx)



**Global Rank:** G5  
**State Rank:** SNR

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

### General Description

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Stems terete, little branched. Submersed leaves sessile, clasping, ovate to lanceolate with wavy margins, 2–10 cm × 6–20 mm; stipules 1–2 cm long, not sheathing, quickly fraying. Floating leaves absent. Spikes 1–3 cm long, continuous. Tepals green, ca. 2 mm long. Fruits 2–4 mm long, obscurely keeled with an erect beak (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### Habitat

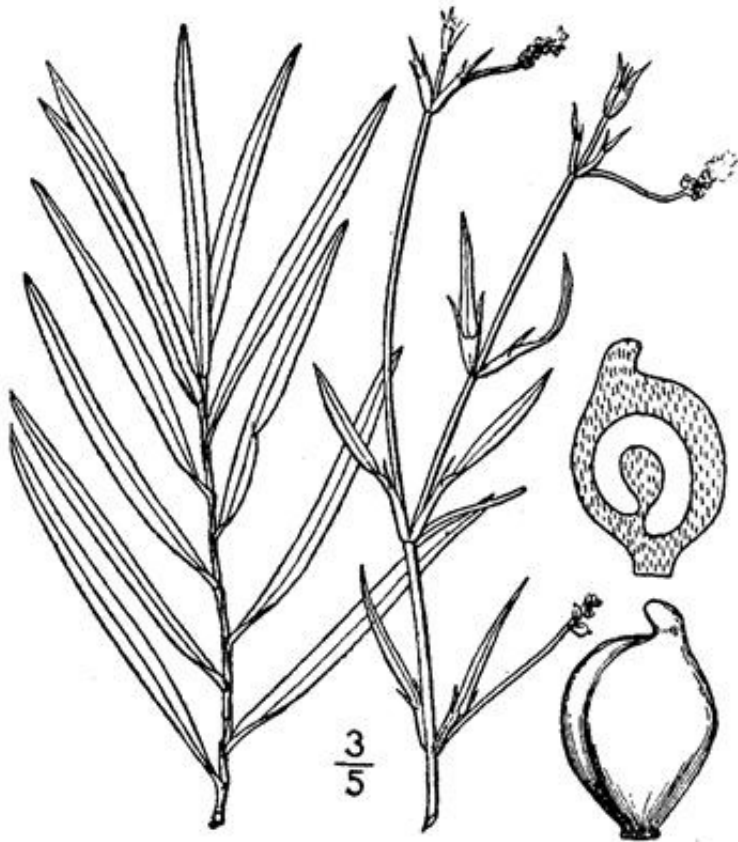
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Shallow to deep, sometimes alkaline water of ponds, lakes, slow rivers; valleys to montane (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Flatleaf Pondweed - *Potamogeton robbinsii*

[http://FieldGuide.mt.gov/detail\\_PMPOT030Z0.aspx](http://FieldGuide.mt.gov/detail_PMPOT030Z0.aspx)



**Global Rank:** G5  
**State Rank:** SNR

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

### General Description

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Stems terete, branched. Submersed leaves linear, 3–8 cm × 2–5 mm, attached to the stipule; stipules 1–3 cm long, shredding above the leaf attachment. Floating leaves absent. Spikes 7–15 mm long with separate flowers. Tepals yellowish, 1–1.5 mm long. Fruits ca. 2 mm long, keeled with a curved beak (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### Habitat

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Shallow, fresh water of lakes; valleys (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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# Straightleaf Pondweed - *Potamogeton strictifolius*

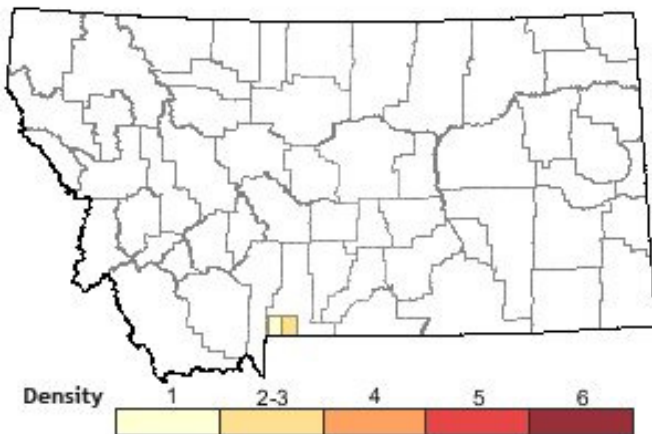
[http://FieldGuide.mt.gov/detail\\_PMPOT03110.aspx](http://FieldGuide.mt.gov/detail_PMPOT03110.aspx)



**Status Under Review**

**Global Rank:** G5  
**State Rank:** SU

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**



**Number of Observations:** 4

## General Description

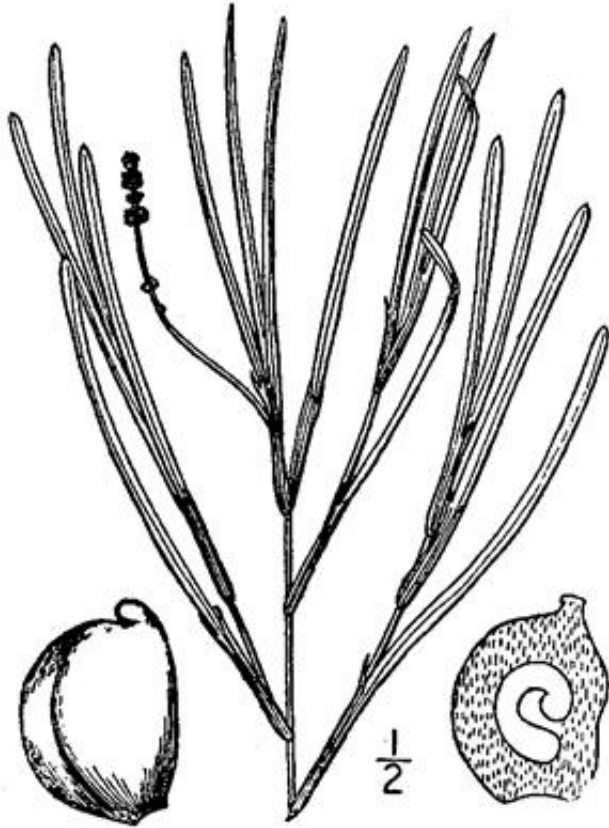
Stems simple or branched, slightly compressed without globose glands at the nodes. Submersed leaves linear, rigid, 2–7 cm × 0.5–2 mm; stipules 8–20 mm long, sheathing but fraying with age. Floating leaves absent. Spikes 8–15 mm long with separate whorls of flowers. Tepals green, 1–2 mm long. Fruits 2–3 mm long, barely keeled with a beak ca. 0.5 mm long (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## Habitat

Fresh or somewhat alkaline, shallow water of lakes; montane (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## Sheathed Pondweed - *Potamogeton vaginatus*

[http://FieldGuide.mt.gov/detail\\_PMPOT03140.aspx](http://FieldGuide.mt.gov/detail_PMPOT03140.aspx)



**Global Rank:** G5  
**State Rank:** SNR

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

### General Description

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Stems terete, branched. Submersed leaves linear, 2–10 cm × 1–2 mm, attached to the stipule; stipules 1–5 cm long, sheathing, brown, swollen at the base. Floating leaves absent. Spikes 1–5 cm long with well-separated whorls of flowers. Tepals brownish-green, 1–2 mm long. Fruits 2–3 mm long, obscurely keeled and beaked (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### Habitat

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Mostly shallow, often alkaline water of lakes, streams; valleys, montane (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Flatstem Pondweed - *Potamogeton zosteriformis*

[http://FieldGuide.mt.gov/detail\\_PMPOT03160.aspx](http://FieldGuide.mt.gov/detail_PMPOT03160.aspx)



**Global Rank:** G5  
**State Rank:** SNR

### **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

### **General Description**

Stems flattened, winged, branched. Submersed leaves linear, 5–20 cm × 2–5 mm; stipules 15–30 mm long, not sheathing. Floating leaves absent. Spikes 15–25 mm long, continuous. Tepals green, 1–2 mm long. Fruits 3–5 mm long, keeled with a curved beak (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### **Habitat**

Shallow to deep water of lakes, ponds, sloughs; valleys to montane (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

# Hooker's Fairybells - *Prosartes hookeri*

[http://FieldGuide.mt.gov/detail\\_PMLILOR010.aspx](http://FieldGuide.mt.gov/detail_PMLILOR010.aspx)



**Global Rank:** G5  
**State Rank:** S4

## **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

## **General Description**

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Stems 25–90 cm. Leaves 5–15 cm long, short-hairy below, nearly glabrous above with uniformly forward-pointing short hairs on the margins. Flowers: tepals 8–15 mm long, linear-elliptic; ovary and style base hairy. Berry 7–10 mm long, apiculate (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## **Habitat**

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Moist coniferous forest; valleys, montane (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Rough-fruited Fairybells - *Prosartes trachycarpa*

[http://FieldGuide.mt.gov/detail\\_PMLILOR060.aspx](http://FieldGuide.mt.gov/detail_PMLILOR060.aspx)



**Global Rank:** G5  
**State Rank:** S4

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

### General Description

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Stems 15–60 cm. Leaves 3–10 cm long, short-hairy below, glabrous above; the margins glabrous or with spreading hairs. Flowers: tepals 8–12 mm long, linear-oblongate; ovary papillose. Berry 8–14 mm long, rounded on top, bumpy (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### Habitat

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Moist or dry forest, woodlands, thickets; plains, valleys, montane (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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# Spreading Alkaligrass - *Puccinellia distans*

[http://FieldGuide.mt.gov/detail\\_PMPOA530A0.aspx](http://FieldGuide.mt.gov/detail_PMPOA530A0.aspx)



**Exotic Species (not native to Montana)**

**Global Rank:** G5

**State Rank:** SNA

**AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

## General Description

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Perennial bunchgrass. Stems 10–50 cm. Leaves: blades 2–4 mm wide, flat or inrolled. Inflorescence a pyramidal panicle 5–18 cm long. Spikelets 3–6 mm long. Lemmas 1.5–2 mm long, with a blunt tip (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## Habitat

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Alkaline and saline substrates (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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# Lemmon's Alkaligrass - *Puccinellia lemmonii*

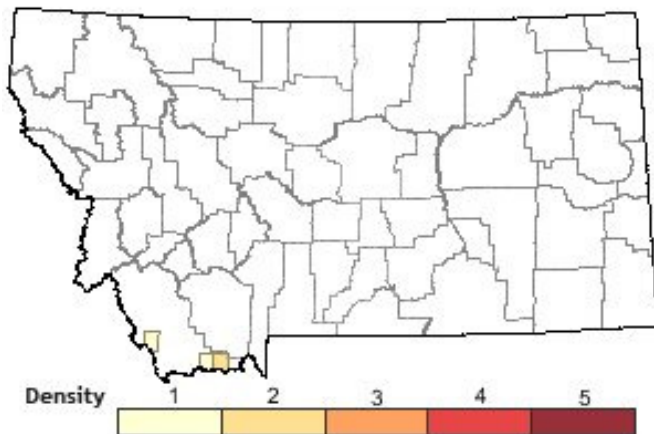
[http://FieldGuide.mt.gov/detail\\_PMPOA530N0.aspx](http://FieldGuide.mt.gov/detail_PMPOA530N0.aspx)



## Species of Concern

**Global Rank:** G4  
**State Rank:** S1S2

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:** SENSITIVE



**Number of Observations:** 4

## General Description

Lemmon's Alkaligrass is a tufted perennial with stems 20-40 cm tall. The stiff, thread-like leaf blades are less than 1 mm wide and rolled inward. Stem leaves are few and small, and ligules are 1-2 mm long. The spikelets are borne in an open, spreading inflorescence with scabrous branches. Spikelets are 5-flowered and ca. 3.5 mm long, with slender lemmas that are 3.5-4 mm long.

## Habitat

Alkali meadows.

## Nuttall's Alkaligrass - *Puccinellia nuttalliana*

[http://FieldGuide.mt.gov/detail\\_PMPOA530S0.aspx](http://FieldGuide.mt.gov/detail_PMPOA530S0.aspx)



**Global Rank:** G5  
**State Rank:** S5

### **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

### **General Description**

Perennial bunchgrass. Stems 30–70 cm. Leaves: blades 1–3 mm wide, inrolled at maturity. Inflorescence an open pyramidal panicle 10–30 cm long. Spikelets 4–8 mm long. Lemmas 2.2–3 mm long, with a blunt tip (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

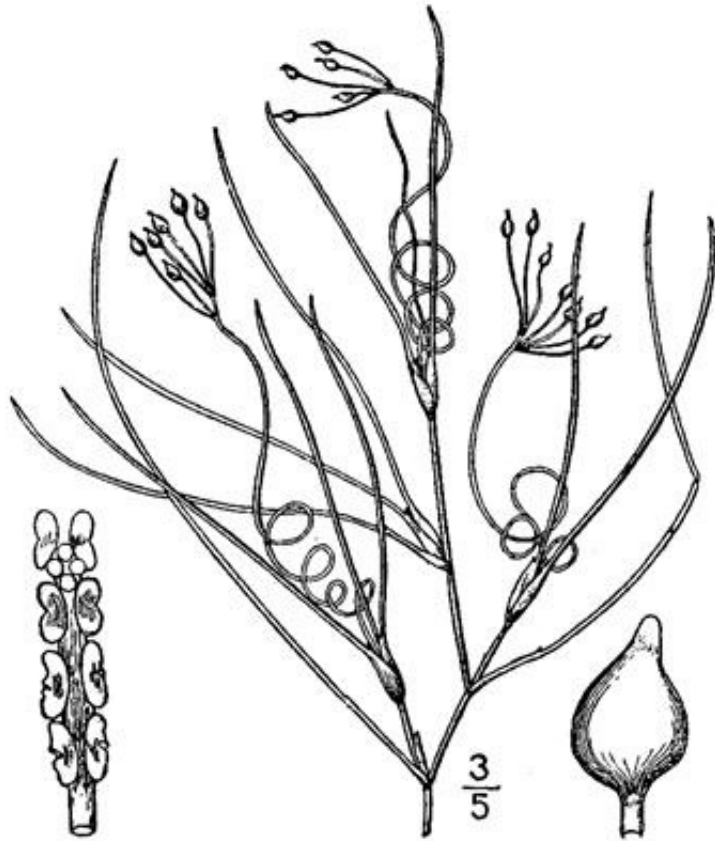
### **Habitat**

Moist alkaline soils (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Ditch-grass - *Ruppia maritima*

[http://FieldGuide.mt.gov/detail\\_PMRUP01030.aspx](http://FieldGuide.mt.gov/detail_PMRUP01030.aspx)



**Global Rank:** G5  
**State Rank:** SNR

### **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

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## Northern Arrowhead - *Sagittaria cuneata*

[http://FieldGuide.mt.gov/detail\\_PMALI04060.aspx](http://FieldGuide.mt.gov/detail_PMALI04060.aspx)



**Global Rank:** G5  
**State Rank:** S4S5

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

### General Description

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Scapes 6–50 cm. Leaf blades 4–15 cm long, lateral lobes shorter or as long as the terminal. Inflorescence of 2–10 whorls; bracts lanceolate, 10–35 mm long. Flowers: sepals 4–7 mm long; petals 7–12 mm long. Achenes 2–3 mm long; heads 5–13 mm across (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### Habitat

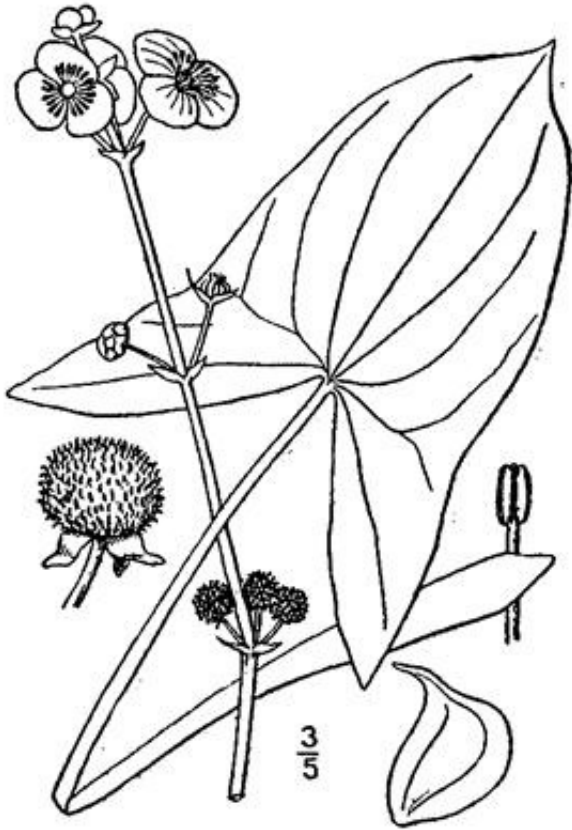
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Shallow water of ponds, lakes, sloughs; plains, valleys (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Common Arrowhead - *Sagittaria latifolia*

[http://FieldGuide.mt.gov/detail\\_PMALI040H0.aspx](http://FieldGuide.mt.gov/detail_PMALI040H0.aspx)



**Global Rank:** G5  
**State Rank:** S4?

### **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

### **General Description**

Scapes 4–50 cm. Leaf blades 2–15 cm long, lateral lobes ca. as long as the terminal. Inflorescence of 2–7 whorls. Flowers: sepals 5–10 mm long; petals 1–2 cm long. Achenes 2–4 mm long; heads 6–20 mm across (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### **Habitat**

Shallow water of ponds, lakes, sloughs; plains, valleys (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

# Tumble Grass - *Schedonnardus paniculatus*

[http://FieldGuide.mt.gov/detail\\_PMPOA5A010.aspx](http://FieldGuide.mt.gov/detail_PMPOA5A010.aspx)



**Status Under Review**

**Global Rank:** G5  
**State Rank:** SU

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

## General Description

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Warm season, perennial bunchgrass. Stems ascending, 10–40 cm long. Leaves: blades 1–2 mm wide, flat and ascending; ligule membranous 1–1.5 mm long; sheaths with overlapping margins. Inflorescences of 5 to 10 secund lateral divergent spikes, each 5–15 cm long and with 10 to 20 spikelets. Spikelets 3–4 mm long, closely appressed to the rachis, with 1 floret; glumes narrow. Lemmas 2–4 mm long, distinctly 3-nerved, awnless or awn-tipped; palea enclosed in floret. Disarticulation below glumes; unit of dispersal is the entire inflorescence (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## Habitat

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Disturbed areas including overgrazed rangeland, prairie dog towns, lawns, and shoulders of roads and railroad tracks (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Pod Grass - *Scheuchzeria palustris*

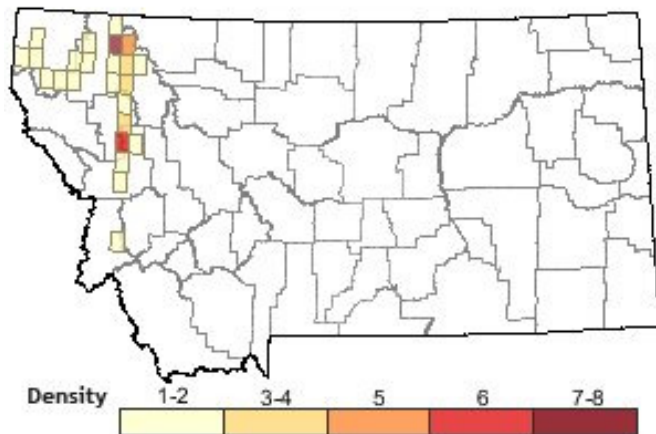
[http://FieldGuide.mt.gov/detail\\_PMSCH02010.aspx](http://FieldGuide.mt.gov/detail_PMSCH02010.aspx)



### Species of Concern

**Global Rank:** G5  
**State Rank:** S3

**AGENCY STATUS**  
**USFWS:**  
**USFS:** SENSITIVE  
**BLM:**



**Number of Observations:** 56

### General Description

Pod Grass is a grass-like perennial herb with stems that are 2-4 dm high and arising singly from creeping rhizomes. Alternate, strap-like leaves that are 1-4 dm long, sheath the stem and become smaller upward. The lower stems are usually covered with old membranous sheathing bases. 3-12 stalked flowers are borne on the upper stem in the axils of reduced leaf sheaths. Each flower has 6 undifferentiated, greenish white, separate petals and sepals that are ca. 3 mm long, 6 stamens, and 3 ovaries that are united at the base. The (usually) 3 capsules are 5-8 mm long and have 2 seeds.

### Habitat

Wet, organic soil of fens in the valley and montane zones, usually with Sphagnum moss.

# Purple Oat - *Schizachne purpurascens*

[http://FieldGuide.mt.gov/detail\\_PMPOA5C010.aspx](http://FieldGuide.mt.gov/detail_PMPOA5C010.aspx)



**Status Under Review**

**Global Rank:** G5  
**State Rank:** SU

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

## General Description

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Cool season, perennial bunchgrass. Stems loosely bunched and connected by short rhizomes, 30–80 cm. Leaves: blades 2–5 mm wide, often flat and lax; ligule 1–1.5 mm long; sheaths with fused margins. Inflorescence an open panicle 7–13 cm long, branches in pairs or single, drooping, bearing 1 or 2 spikelets. Spikelets 11–16 mm long, with 4 to 5 florets; glumes with mostly 3 to 5 faint veins. Lemmas 8–12 mm long with 7 prominent veins and hairs on callus about one-quarter the length of lemma, awned from between two apical teeth, the awn 9–15 mm long; palea enclosed in floret. Disarticulation above glumes; unit of dispersal the floret (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX)..

## Habitat

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Open understory settings (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Little Bluestem - *Schizachyrium scoparium*

[http://FieldGuide.mt.gov/detail\\_PMPOA5D090.aspx](http://FieldGuide.mt.gov/detail_PMPOA5D090.aspx)



**Global Rank:** G5  
**State Rank:** S4S5

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

### General Description

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Bunchgrass occasionally with short rhizomes. Stems 30–100 cm, often red or rust colored when mature; sheaths flattened and keeled. Leaves: blades 2–5 mm wide; ligule 1–3 mm long. Inflorescence with numerous lateral branches each bearing a single spike 3–6 cm long; rachis and pedicels long hairy along margins. Spikelets: sessile spikelets 6–8 mm long, glumes purplish to greenish, acute. Lemmas: fertile lemma 4–6.5 mm long, with an awn 5–13 mm long; pedicellate spikelet reduced to a small glume 1–3 mm long (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### Habitat

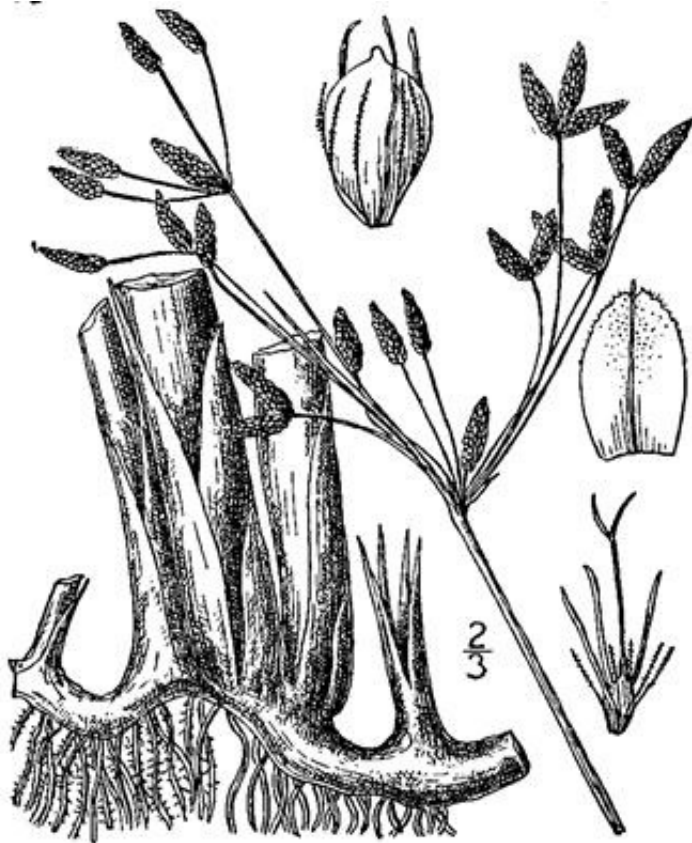
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On gravelly, rocky, and sandy soils especially in overgrazed rangelands and roadside (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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# Hardstem Bulrush - *Schoenoplectus acutus*

[http://FieldGuide.mt.gov/detail\\_PMCYP0Q012.aspx](http://FieldGuide.mt.gov/detail_PMCYP0Q012.aspx)



**Global Rank:** G5  
**State Rank:** S4S5

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

## General Description

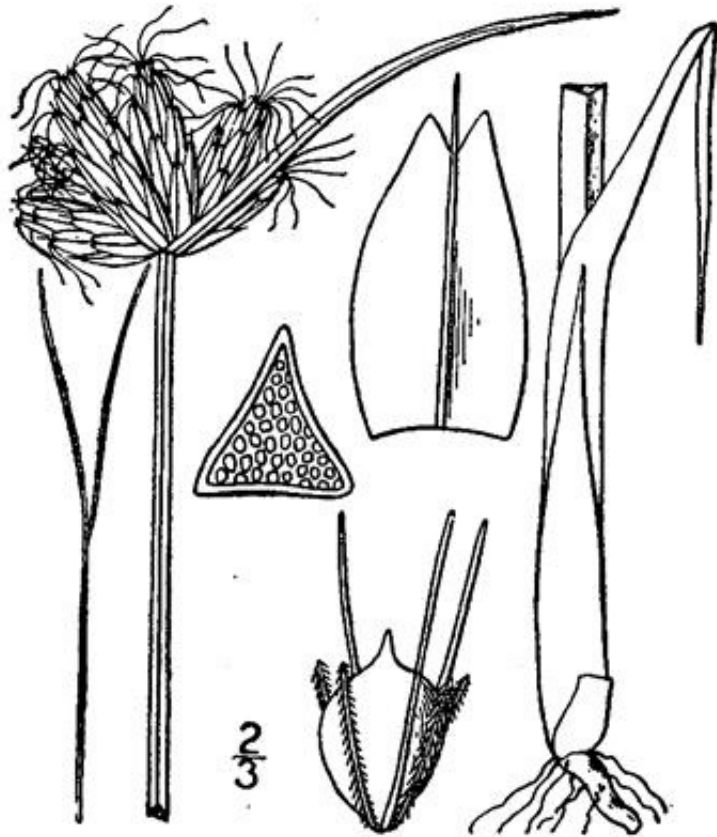
Stems terete, 50–200 cm, filled with spongy air cavities. Leaf blades reduced to scales. Inflorescence open or congested with small clusters of spikelets on tips of spreading to erect peduncles. Spikelets 5–10 mm long. Scales 3–4.5 mm long, ciliate, sparsely puberulent, gray to tan-hyaline with short, dark red, parallel lines; awn twisted 1–2 mm long. Flowers: bristles ca. 6, ca. as long as achene; stigmas 2 or 3. Achene usually 2-sided, gray to nearly black, 2–3 mm long (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## Habitat

Fresh or saline marshes around ponds, lakes, sloughs; plains, valleys, montane, rarely higher (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## Three-square Bulrush - *Schoenoplectus americanus*

[http://FieldGuide.mt.gov/detail\\_PMCYP0Q020.aspx](http://FieldGuide.mt.gov/detail_PMCYP0Q020.aspx)



**Global Rank:** G5  
**State Rank:** S5

### **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

### **General Description**

Stems 40–150 cm, 3-sided with concave sides. Leaf blades short, flat or folded, 2–8 mm wide. Inflorescence compact, of 2 to 15 sessile spikelets. Spikelets 6–15 mm long. Scales 3–4 mm long, glabrous, reddish to purplish-brown; awn ca. 0.5 mm long. Flowers: bristles 5 or 6, ca. as long as achene; stigmas 2 or 3. Achene 2- or 3-sided with rounded edges, brown, ca. 3 mm long (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### **Habitat**

Usually saline or alkaline, wet meadows, marshes; valleys (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## River Bulrush - *Schoenoplectus fluviatilis*

[http://FieldGuide.mt.gov/detail\\_PMCYP0Q0P0.aspx](http://FieldGuide.mt.gov/detail_PMCYP0Q0P0.aspx)



**Global Rank:** G5  
**State Rank:** SNR

### **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

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# Slender Bulrush - *Schoenoplectus heterochaetus*

[http://FieldGuide.mt.gov/detail\\_PMCYP0Q0T0.aspx](http://FieldGuide.mt.gov/detail_PMCYP0Q0T0.aspx)



## Species of Concern

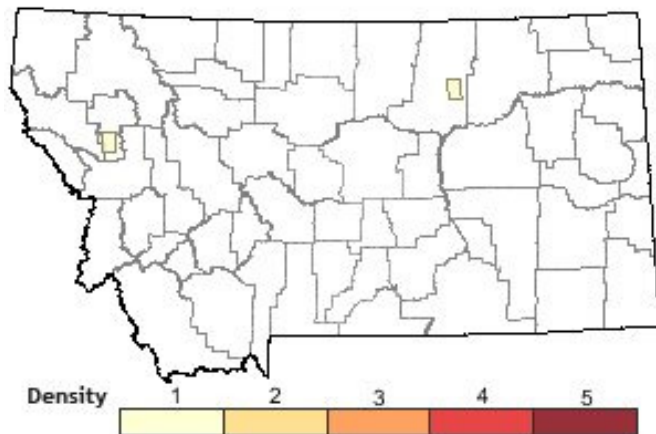
**Global Rank:** G5  
**State Rank:** S1S2

## AGENCY STATUS

**USFWS:**

**USFS:**

**BLM:** SENSITIVE



**Number of Observations:** 2

## General Description

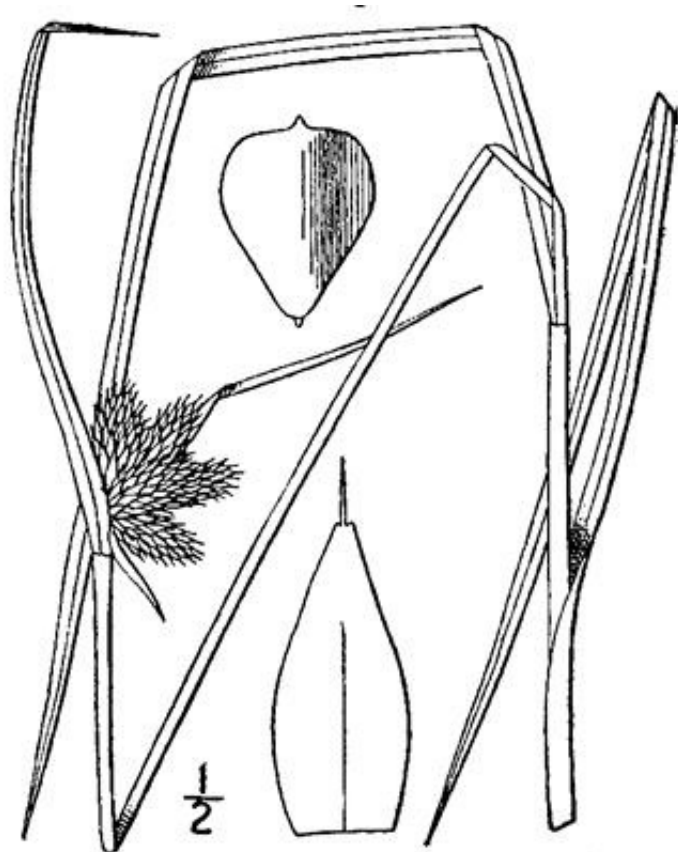
Slender Bulrush is a tall, glabrous, grass-like perennial with firm, tubular stems that are 1-2 m tall and arising from stout brown rhizomes. The few leaves are borne near the base and have a sheath surrounding the stem, but the blade is small and tapers to a point. Numerous slender-stalked, solitary spikelets are borne on the spreading branch tips of an open, terminal inflorescence. Each egg-shaped spikelet is up to 17 mm long and has several flowers arranged in a tight spiral. Flowers consist of a single scale that is up to 5 mm long; it subtends 3 stamens and an ovary with 4 white bristles that are as long as the scales and arising from the base. The 3-sided achene is ca. 3 mm long with a short beak and 3 stigmas.

## Habitat

Marshes and edges of lakes and ponds on the plains.

## Saltmarsh Bulrush - *Schoenoplectus maritimus*

[http://FieldGuide.mt.gov/detail\\_PMCYP0Q0Z0.aspx](http://FieldGuide.mt.gov/detail_PMCYP0Q0Z0.aspx)



**Global Rank:** G5  
**State Rank:** S5

### **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

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# Three-square Bulrush - *Schoenoplectus pungens*

[http://FieldGuide.mt.gov/detail\\_PMCYP0Q180.aspx](http://FieldGuide.mt.gov/detail_PMCYP0Q180.aspx)



**Global Rank:** G5  
**State Rank:** S5

## **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

## **General Description**

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Stems 3-sided, 10–200 cm. Leaf blades flat or folded, 1–4 mm wide. Inflorescence compact, of 1 to 6 sessile spikelets. Spikelets 7–20 mm long. Scales 3–6 mm long, glabrous, light brown to blackish; awn bent, 0.5–2 mm long. Flowers: bristles 4 to 8, shorter to as long as the achene; stigmas 2 or 3. Achene 2- or 3-sided, brown, ca. 3 mm long (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## **Habitat**

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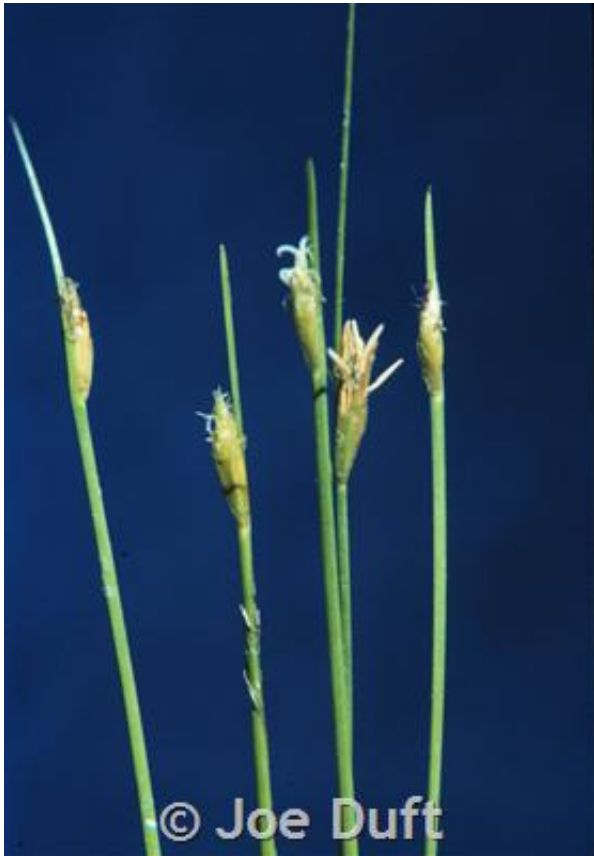
Usually saline or alkaline, wet meadows, marshes; plains, valleys (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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# Water Bulrush - *Schoenoplectus subterminalis*

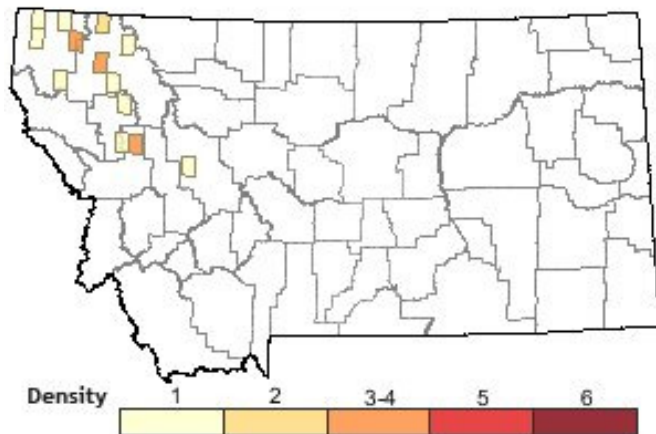
[http://FieldGuide.mt.gov/detail\\_PMCYP0Q1G0.aspx](http://FieldGuide.mt.gov/detail_PMCYP0Q1G0.aspx)



## Species of Concern

**Global Rank:** G4G5  
**State Rank:** S3

**AGENCY STATUS**  
**USFWS:**  
**USFS:** SENSITIVE  
**BLM:**



**Number of Observations:** 23

## General Description

Water Bulrush is a rhizomatous perennial with slender, weak stems that are 20-80 cm long and which float on the water's surface rather than emerging from it. Leaves are long and flaccid and arise mainly from near the base of the plant. The inflorescence consists of a solitary spike subtended by a green, leaf-like bract that is 1-6 cm long and held nearly erect, appearing to be a continuation of the stem. The light brown spike is composed of numerous, membranous scales, each subtending a flower consisting of 3 stamens and an ovary with 6 slender bristles arising from the base. The ovary matures into a three-sided achene that is 2-4 mm long.

## Habitat

Open water and boggy margins of ponds, lakes, and sloughs at 0.1-3 m depth in the valley, foothill, and montane zones.



## Softstem Bulrush - *Schoenoplectus tabernaemontani*

[http://FieldGuide.mt.gov/detail\\_PMCYP0Q1H0.aspx](http://FieldGuide.mt.gov/detail_PMCYP0Q1H0.aspx)



**Global Rank:** G5  
**State Rank:** S4

### **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

### **General Description**

Stems terete, 80–150 cm, filled with spongy air cavities. Leaf blades reduced to scales. Inflorescence usually open with small clusters of spikelets on tips of spreading to erect peduncles. Spikelets 5–12 mm long. Scales 2–3 mm long, glabrous, ciliate, tan to reddish with short, dark red, parallel lines; awn ca. 0.5 mm long. Flowers: bristles 6, ca. as long as achene; stigmas 2. Achene 2-sided, dark brown, 1.5–3 mm long (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### **Habitat**

Fresh or saline marshes around ponds, lakes, slow streams; plains, valleys (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

# Black-girdle Bulrush - *Scirpus atrocinctus*

[http://FieldGuide.mt.gov/detail\\_PMCYP0Q040.aspx](http://FieldGuide.mt.gov/detail_PMCYP0Q040.aspx)



**Status Under Review**

**Global Rank:** G5  
**State Rank:** SNR

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

## General Description

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Densely caespitose. Stems 30–80 cm, clustered on short rhizomes. Leaves: blades 2–4 mm wide; basal sheaths brown. Inflorescence open-cymose; nearly all spikelets pedunculate. Spikelets 3–5 mm long. Scales 1.5–2 mm long, reddish-brown to black with a green midvein, tip rounded, sometimes apiculate. Flowers: bristles 6, contorted, smooth, white, longer than the scales; stigmas 3. Achene 2- or 3-sided, whitish, 0.5–1 mm long (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## Habitat

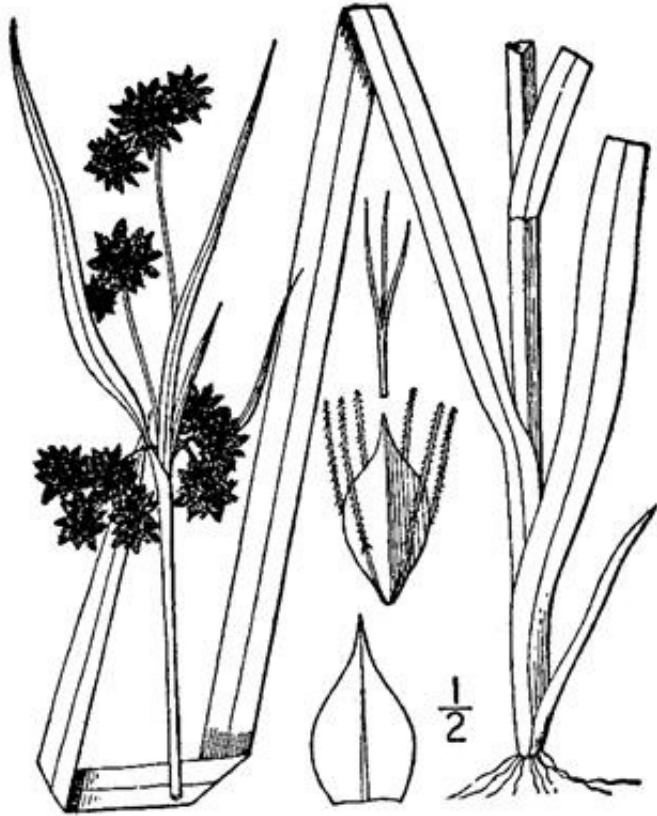
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Marshes around ponds, reservoirs; valleys (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Woolgrass Bulrush - *Scirpus atrovirens*

[http://FieldGuide.mt.gov/detail\\_PMCYP0Q050.aspx](http://FieldGuide.mt.gov/detail_PMCYP0Q050.aspx)



**Status Under Review**

**Global Rank:** G5?

**State Rank:** SU

**AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

### General Description

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Stems 30–80 cm, clustered on short rhizomes. Leaves: blades 4–8 mm wide; basal sheaths green to tan. Inflorescence of few or several globose heads on short peduncles. Spikelets 2–5 mm long. Scales 1–1.5 mm long, blackish with pale midribs; tip acute to apiculate. Flowers: bristles 6, straight or curved, white, spinulose, ca. as long as the achene; stigmas 3. Achene obscurely 3-sided, white to light brown, ca. 1 mm long (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### Habitat

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Fresh-water marshes; valleys (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Woolgrass - *Scirpus cyperinus*

[http://FieldGuide.mt.gov/detail\\_PMCYP0Q0F0.aspx](http://FieldGuide.mt.gov/detail_PMCYP0Q0F0.aspx)



**Global Rank:** G5  
**State Rank:** S3

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

### General Description

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Caespitose. Stems 80–120 cm, clustered on short rhizomes. Leaves: blades 2–6 mm wide; basal sheaths brown. Inflorescence open-cymose with spikelets clustered at tips of short or long peduncles. Spikelets 3–5 mm long. Scales ca. 1.5 mm long, brown; tip rounded to acute. Flowers: bristles 6, contorted, smooth, white, longer than the scales; stigmas 3. Achene 2- or 3-sided, whitish, 0.5–1 mm long (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### Habitat

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Shores of reservoirs; valleys (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Small-fruit Bulrush - *Scirpus microcarpus*

[http://FieldGuide.mt.gov/detail\\_PMCYP0Q100.aspx](http://FieldGuide.mt.gov/detail_PMCYP0Q100.aspx)



**Global Rank:** G5  
**State Rank:** S4S5

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

### General Description

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Rhizomatous. Stems 30–100 cm, rarely clustered. Leaves: blades 5–12 mm wide; basal sheaths reddish. Inflorescence open, compound-umbelliform. Spikelets 3–6 mm long. Scales 1–2.5 mm long, dark green; tip rounded to apiculate. Flowers: bristles 3–6, straight or curved, spinulose, ca. as long as the achene, white turning brown; stigmas 2. Achene 2-sided, whitish, 1–1.5 mm long (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### Habitat

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Marshes, beaver ponds, streambanks; valleys, montane (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Nevada Bulrush - *Scirpus nevadensis*

[http://FieldGuide.mt.gov/detail\\_PMCYP0Q130.aspx](http://FieldGuide.mt.gov/detail_PMCYP0Q130.aspx)



Number of Observations: 0

### Habitat

Wet, alkaline prairie and muddy shores of alkaline ponds and lakes in the valley zone and on the plains.

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**Status Under Review**

**Global Rank:** G4  
**State Rank:** S3S4

### AGENCY STATUS

**USFWS:**

**USFS:**

**BLM:**



## Pale Bulrush - *Scirpus pallidus*

[http://FieldGuide.mt.gov/detail\\_PMCYP0Q140.aspx](http://FieldGuide.mt.gov/detail_PMCYP0Q140.aspx)



**Status Under Review**

**Global Rank:** G5  
**State Rank:** S3?

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

### General Description

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Short-rhizomatous. Stems 50–150 cm. Leaves: blades 6–15 mm wide; basal sheaths white to green. Inflorescence unequally umbellate, of several to numerous, pedunculate, capitate clusters. Spikelets 3–5 mm long. Scales 2–2.5 mm long, blackish with a pale midvein and an awn ca. 0.5 mm long. Flowers: bristles 6, straight or curved, spinulose, ca. as long as the scales; stigmas 3. Achene 2- or 3-sided, whitish, ca. 1 mm long (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### Habitat

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Fresh-water or alkaline marshes, streambanks; plains, valleys (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Pendulous Bulrush - *Scirpus pendulus*

[http://FieldGuide.mt.gov/detail\\_PMCYP0Q160.aspx](http://FieldGuide.mt.gov/detail_PMCYP0Q160.aspx)



**Status Under Review**

**Global Rank:** G5  
**State Rank:** SU

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

### General Description

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Pendulous bulrush is a glabrous, grass-like perennial with tufted stems, up to 15 dm (5 ft) tall. The several stem leaves are 3-10 mm wide. Numerous slender-stalked spikelets are borne in open groups in a branched, terminal inflorescence, usually 1 spikelet in each group sessile, the others long-stalked. The inflorescence is subtended by a leaf-like bract. Each cylindrical spikelet, 6-10 mm long, has numerous flowers arranged in a tight spiral. Flowers consist of a light brown, egg-shaped scale, ca. 2 mm long, with a green midvein, subtending 3 stamens and an ovary with 6 brown, twisted bristles, longer than the scales, arising from the base. The 3-sided seed (achene) is ca. 1 mm long with a short beak.

### Habitat

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Marshes and pond margins on the plains.

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# Common Hardgrass - *Sclerochloa dura*

[http://FieldGuide.mt.gov/detail\\_PMPOA5F010.aspx](http://FieldGuide.mt.gov/detail_PMPOA5F010.aspx)



**Exotic Species (not native to Montana)**

**Global Rank:** GNR

**State Rank:** SNA

## **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

## **General Description**

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Cool season, annual prostrate bunchgrass. Stems ca. 10 cm, spreading. Leaves: blades flat and spreading with prow-like tips, 1–2 mm wide; sheaths with overlapping margins; ligule membranous. Inflorescence a contracted secund panicle or raceme 1–5 cm long. Spikelets 6–10 mm long, with usually 3 florets; glumes similar to lemmas. Lemmas with prominent parallel venation and a blunt tip, unawned; palea well developed. Disarticulation below glumes; unit of dispersal the spikelet (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## **Habitat**

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Sporadic and possibly ephemeral on disturbed soils along roadsides, parking lots, and driveways (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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# Sprangletop - *Scolochloa festucacea*

[http://FieldGuide.mt.gov/detail\\_PMPOA5H010.aspx](http://FieldGuide.mt.gov/detail_PMPOA5H010.aspx)



**Status Under Review**

**Global Rank:** G5  
**State Rank:** S1?

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

## General Description

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Cool season, perennial, rhizomatous, aquatic. Stems 1–2 m. Leaves: blades 5–11 mm wide, flat and ascending; ligule membranous, 4–8 mm long; sheaths with overlapping margins. Inflorescence an open panicle 15–26 cm long. Spikelets 7–11 mm long, with 5 to 9 florets; glumes similar to lemmas. Lemmas 4–9 mm long, each with a distinctly hairy callus, usually keeled and distinctly parallel veined, unawned but with an acute tip; palea enclosed in floret. Disarticulation above glumes; unit of dispersal is the floret (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## Habitat

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Peatlands, swamps, and near lake outlets (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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# Cultivated Rye - *Secale cereale*

[http://FieldGuide.mt.gov/detail\\_PMPOA5K010.aspx](http://FieldGuide.mt.gov/detail_PMPOA5K010.aspx)



**Exotic Species (not native to Montana)**

**Global Rank:** GNR

**State Rank:** SNA

## **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

## **General Description**

---

Cool season, annual bunchgrass. Stems 50–150 cm. Leaves: blades flat and ascending, 6–12 mm wide; sheaths with overlapping margins; ligule membranous. Inflorescence a two-sided terminal spike with short internodes, 6–12 cm long, rachis readily disarticulating at maturity. Spikelets 1 per node, 14–18 mm long, mostly with 2 florets, glumes narrow and linear. Lemmas with distinctively scabrous veins, distinctly keeled, the margins conspicuously pectinate-ciliate, awn 20–40 mm long; palea enclosed in floret. Disarticulation below the glumes; unit of dispersal the spikelet and subtending internode of the inflorescence rachis (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## **Habitat**

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Occasionally planted or colonizing roadsides and fields (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Italian Foxtail - *Setaria italica*

[http://FieldGuide.mt.gov/detail\\_PMPOA5L0B0.aspx](http://FieldGuide.mt.gov/detail_PMPOA5L0B0.aspx)



**Exotic Species (not native to Montana)**

**Global Rank:** GNR

**State Rank:** SNA

### **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

### **General Description**

---

Stems 80–100 cm long. Leaves: blades 8–28 mm wide, sheaths ciliate along margins, ligule 1–2 mm long. Inflorescence a usually nodding spike-like panicle 15–30 cm long, longest sterile bristles 9–12 mm long, antrorsely barbed. Spikelets 2.8–3.2 mm long. Lemmas reticulately veined but not conspicuously transversely corrugated (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### **Habitat**

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Cultivated; frequently disturbed sites (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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# Yellow Foxtail - *Setaria pumila*

[http://FieldGuide.mt.gov/detail\\_PMPOA5L170.aspx](http://FieldGuide.mt.gov/detail_PMPOA5L170.aspx)



**Exotic Species (not native to Montana)**

**Global Rank:** GNR

**State Rank:** SNA

## **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

## **General Description**

---

Stems 15–60 cm long. Leaves: blades 5–9 mm wide; sheaths hairless; ligule <1 mm long. Inflorescence an erect spike-like panicle 5–15 cm long, sterile bristles 4–7 mm long, antrorsely barbed. Spikelets 2.5–3 mm long. Lemmas strongly corrugated at maturity (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## **Habitat**

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Disturbed sites including in and around cultivated fields (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

---

# Bristly Bristle Grass - *Setaria verticillata*

[http://FieldGuide.mt.gov/detail\\_PMPOA5L0V0.aspx](http://FieldGuide.mt.gov/detail_PMPOA5L0V0.aspx)



**Exotic Species (not native to Montana)**

**Global Rank:** GNR

**State Rank:** SNA

## **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

## **General Description**

---

Stems 10–50 cm. Leaves: blades 5–12 mm wide; sheaths usually hairy at throat; ligule 1–1.5 mm long.

Inflorescence an erect to nodding spike-like panicle 5–13 cm long, sterile bristles 4–7 mm long, retrorsely barbed.

Spikelets 2–2.5 mm long. Lemmas reticulately veined but not conspicuously transversely corrugated (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## **Habitat**

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Disturbed sites along roads and pastures and in lawns (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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# Green Bristle Grass - *Setaria viridis*

[http://FieldGuide.mt.gov/detail\\_PMPOA5L0X0.aspx](http://FieldGuide.mt.gov/detail_PMPOA5L0X0.aspx)



**Exotic Species (not native to Montana)**

**Global Rank:** GNR

**State Rank:** SNA

**AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

## General Description

---

Stems 10–40 cm long. Leaves: blades 3–10 mm wide; sheaths ciliate along margins; ligule 1–1.5 mm long. Inflorescence an erect to nodding cylindrical panicle 3–15 cm long, longest sterile bristles 8–12 mm long, antrorsely barbed. Spikelets 1.5–2.2 mm long. Lemmas reticulately veined but not conspicuously transversely corrugated (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## Habitat

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Regularly disturbed settings such as along roadsides, pastures, and ditches (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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# Idaho Blue-eyed-grass - *Sisyrinchium idahoense*

[http://FieldGuide.mt.gov/detail\\_PMIRIOD0T0.aspx](http://FieldGuide.mt.gov/detail_PMIRIOD0T0.aspx)



**Status Under Review**

**Global Rank:** G5  
**State Rank:** SNR

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

## General Description

---

Stems clumped, 10–30 cm. Leaves 1–2 mm wide. Inflorescence of 1 to 4 flowers; inner spathe 12–25 mm long; outer spathe 25–45 mm long. Flowers: tepals 8–13 mm long, blue with yellow bases. Capsule globose 3–6 mm high (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## Habitat

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Moist to wet, often saline or alkaline meadows; valleys, montane (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Strict Blue-eyed-grass - *Sisyrinchium montanum*

[http://FieldGuide.mt.gov/detail\\_PMIRIOD110.aspx](http://FieldGuide.mt.gov/detail_PMIRIOD110.aspx)



**Global Rank:** G5  
**State Rank:** S4

### **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

### **General Description**

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Stems clumped, 12–40 cm. Leaves 1–3 mm wide. Inflorescence of 2 to 4 flowers; inner spathe 22–28 mm long; outer spathe 3–7 cm long. Flowers: tepals 7–11 mm long, blue with yellow bases (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

Our plants are variety *montanum*.

### **Habitat**

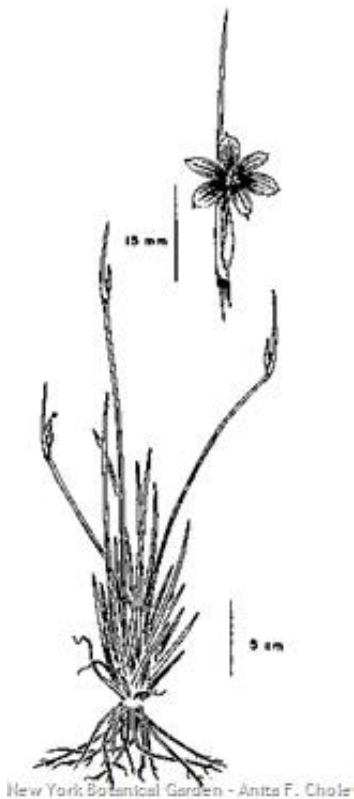
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Moist grasslands, moist to wet meadows; plains, valleys, montane (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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# Northern Blue-eyed-grass - *Sisyrinchium septentrionale*

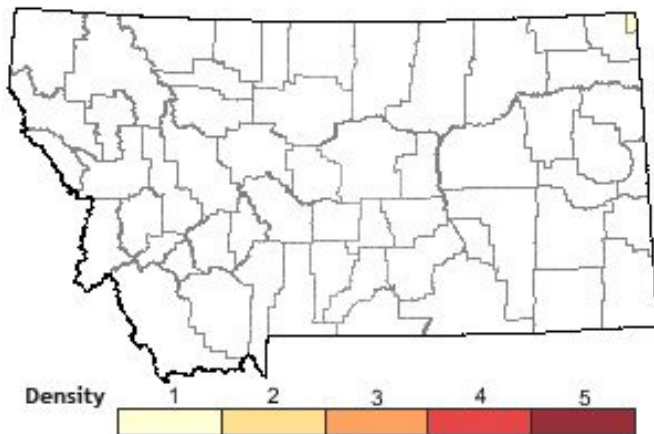
[http://FieldGuide.mt.gov/detail\\_PMIRIOD180.aspx](http://FieldGuide.mt.gov/detail_PMIRIOD180.aspx)



## Species of Concern

**Global Rank:** G3G4  
**State Rank:** S1S2

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**



**Number of Observations:** 1

## General Description

Stems 10–40 cm. Leaves 1–2 mm wide. Inflorescence of 2 to 4 flowers; inner spathe 1–4 cm long; outer spathe 2–6 cm long. Flowers: tepals 8–9 mm long, blue with yellow bases. Capsule globose 3–5 mm high (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## Habitat

Low prairie zone of prairie wetland margins.

## False Solomon's-seal - *Smilacina racemosa*

[http://FieldGuide.mt.gov/detail\\_PMLIL1D030.aspx](http://FieldGuide.mt.gov/detail_PMLIL1D030.aspx)



**Global Rank:** G5  
**State Rank:** S5

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

### General Description

---

Stems 20–80 cm. Leaves 7–15 cm long. Inflorescence a branched, pyramidal panicle with numerous flowers. Flowers: tepals 1–1.5 mm long; filaments petal-like, longer than the tepals. Berry red, 4–8 mm long (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### Habitat

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Open forest, thickets, woodlands, avalanche slopes; plains, valleys to lower subalpine (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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# Starry False Solomon's-seal - *Smilacina stellata*

[http://FieldGuide.mt.gov/detail\\_PMLIL1D040.aspx](http://FieldGuide.mt.gov/detail_PMLIL1D040.aspx)



**Global Rank:** G5  
**State Rank:** S5

## **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

## **General Description**

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Stems 15–60 cm. Leaves 4–12 cm long, often folded. Inflorescence a simple, often zig-zag raceme with 3 to 12 flowers. Flowers: tepals 3–5 mm long; stamens shorter and narrower than tepals. Berry green with dark longitudinal stripes, 5–12 mm long (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## **Habitat**

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Grasslands, moist meadows, thickets, moist to dry, often riparian forest, woodlands; plains, valleys, montane (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Herbaceous Greenbrier - *Smilax lasioneura*

[http://FieldGuide.mt.gov/detail\\_PMSMI010E0.aspx](http://FieldGuide.mt.gov/detail_PMSMI010E0.aspx)



**Status Under Review**

**Global Rank:** G5  
**State Rank:** SNR

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

### General Description

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Dioecious, rhizomatous, perennial, herbaceous vine. Stems glabrate, ascending or climbing, 30–120 cm; tendrils from the leaf axils. Leaves simple, petiolate, alternate; blades ovate, cordate to truncate, 5–9 cm long, net-veined, glaucous and puberulent beneath. Inflorescence axillary umbels with numerous flowers; peduncles 3–8 cm. Flowers unisexual, star-shaped, green; tepals 6, separate, spreading, oblong, 3–4 mm long; stamens 6, shorter than the tepals, reduced in female flowers; ovary 3-celled, superior; stigmas 3. Fruit a 3- or 6-seeded, blue berry 6–10 mm long (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

Our plants are variety *lasioneura* (Hook.) A. DC.

### Habitat

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Woodlands, riparian forests, thickets; plains (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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# Indiangrass - *Sorghastrum nutans*

[http://FieldGuide.mt.gov/detail\\_PMPOA5Q020.aspx](http://FieldGuide.mt.gov/detail_PMPOA5Q020.aspx)



**Global Rank:** G5  
**State Rank:** SNR

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

## General Description

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Warm season, perennial bunchgrass with short rhizomes. Stems 1–2 m. Leaves: blades 5–10 mm wide, flat and lax to ascending; ligule 2–7 mm long, membranous; sheaths ciliate along margins. Inflorescence a contracted panicle, 15–30 cm long; rachis and pedicels long hairy along margins. Spikelets paired, one sessile the other pedicellate, the sessile seed bearing, 5–8 mm long; the pedicellate mostly absent and represented by only the naked pedicel; glumes straw colored, acute, rounded on back and completely enveloping the florets. Lemmas with a bent awn 10–18 mm long; palea inconspicuous. Disarticulation below the glumes; unit of dispersal the spikelet pair (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## Habitat

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Escaping from cultivation (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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# Johnson Grass - *Sorghum halepense*

[http://FieldGuide.mt.gov/detail\\_PMPOA5R030.aspx](http://FieldGuide.mt.gov/detail_PMPOA5R030.aspx)



**Exotic Species (not native to Montana)**

**Global Rank:** GNR

**State Rank:** SNA

**AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

## General Description

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Annual cultivated bunchgrass. Stems 50–100 cm. Leaves: blades 3–5 cm wide; ligules 1–5 mm long, membranous but densely covered with hairs. Inflorescence a dense panicle 10–30 (60) cm long, rachis and pedicels short hairy. Spikelets 4–9 mm long, glumes purplish at maturity. Lemmas unawned or with an awn 5–20 mm long, bent and early deciduous (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## Habitat

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Cultivated mostly for forage (e.g., milo and sorgo), occasionally as an ornamental, rarely escaping (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Narrowleaf Bur-reed - *Sparganium angustifolium*

[http://FieldGuide.mt.gov/detail\\_PMSPA01030.aspx](http://FieldGuide.mt.gov/detail_PMSPA01030.aspx)



**Global Rank:** G5  
**State Rank:** S4

### **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

### **General Description**

---

Stems 5–50 cm, often floating. Leaves 2–12 mm wide, sometimes keeled, often exceeding the inflorescence. Inflorescence unbranched, of 2 to 6 sessile, contiguous or separate, male heads and 2 to 4, sessile or pedunculate female heads, 8–25 mm wide at maturity. Styles unbranched, 0.6–2 mm long. Achenes fusiform; body 3–6 mm long, constricted in the middle, tapering gradually to the beak, 2–4 mm long (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### **Habitat**

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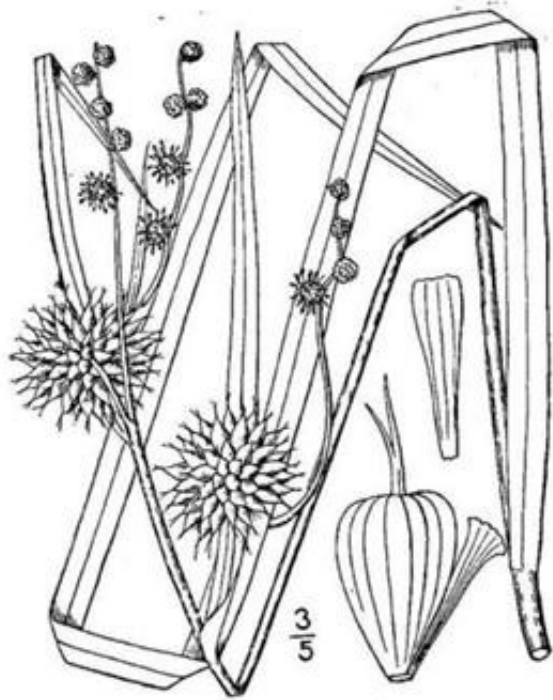
Shallow, fresh water of lakes, ponds, sloughs, ditches, fens; plains, valleys to subalpine (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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# Large Bur-reed - *Sparganium eurycarpum*

[http://FieldGuide.mt.gov/detail\\_PMSPA01050.aspx](http://FieldGuide.mt.gov/detail_PMSPA01050.aspx)



**Global Rank:** G5  
**State Rank:** SNR

## **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

## **General Description**

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Stems erect, 30–100 cm. Leaves 5–15 mm wide, keeled at least toward the base, flattened toward the tip. Inflorescence usually branched, each branch with 5 to 14 separate sessile male heads and 1 or 2, sessile or pedunculate female heads, 15–25 mm wide at maturity. Styles 2-lobed. Achenes obovoid, 4–8 mm long, tapering gradually to abruptly to the 2–4 mm long beak (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## **Habitat**

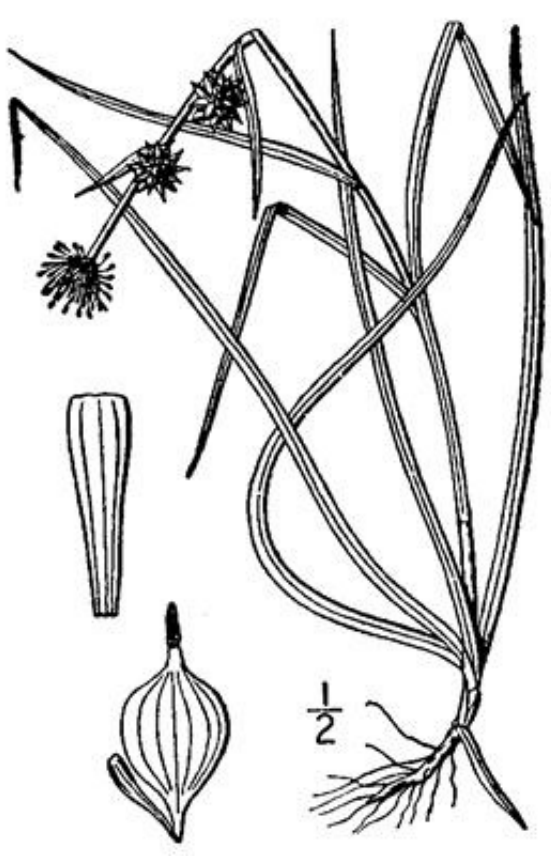
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Shallow to deep, fresh water of lakes, ponds, sloughs; valleys (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Small Bur-reed - *Sparganium natans*

[http://FieldGuide.mt.gov/detail\\_PMSPA01090.aspx](http://FieldGuide.mt.gov/detail_PMSPA01090.aspx)



**Global Rank:** G5  
**State Rank:** S4

### **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

### **General Description**

Stems floating, 10–60 cm. Leaves 2–5 mm wide, not keeled. Inflorescence unbranched with usually 1 sessile male head and 1 to 4, sessile or pedunculate female heads, 7–12 mm wide at maturity. Styles unbranched. Achenes fusiform, 2–4 mm long, abruptly tapered to the ca. 1 mm long beak (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### **Habitat**

Shallow to deep water of lakes, ponds, fens; valleys, montane (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## Alkali Cordgrass - *Spartina gracilis*

[http://FieldGuide.mt.gov/detail\\_PMPOA5S060.aspx](http://FieldGuide.mt.gov/detail_PMPOA5S060.aspx)



**Status Under Review**

**Global Rank:** G5  
**State Rank:** S3S4

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

### General Description

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Stems 40–80 cm. Leaves: blades 3–5 mm wide; ligule 1–1.2 mm long. Inflorescences of 4 to 8 secund lateral spikes often appressed to the main rachis, each 3–4 cm long and with 20 to 30 spikelets. Spikelets 7–9 mm long, glumes awnless or awn-tipped. Lemmas distally smooth (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Prairie Cordgrass - *Spartina pectinata*

[http://FieldGuide.mt.gov/detail\\_PMPOA5S090.aspx](http://FieldGuide.mt.gov/detail_PMPOA5S090.aspx)



**Status Under Review**

**Global Rank:** G5  
**State Rank:** S3S4

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

### General Description

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Stems 1–2 m. Leaves: blades 3–5 mm wide; ligule 2–3 mm long. Inflorescences of 8 to 15 secund lateral spikes often appressed to the main rachis, each 3–4 cm long and with 20 to 30 spikelets. Spikelets 10–20 mm long, glumes short-awned. Lemmas distally scabrous (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### Habitat

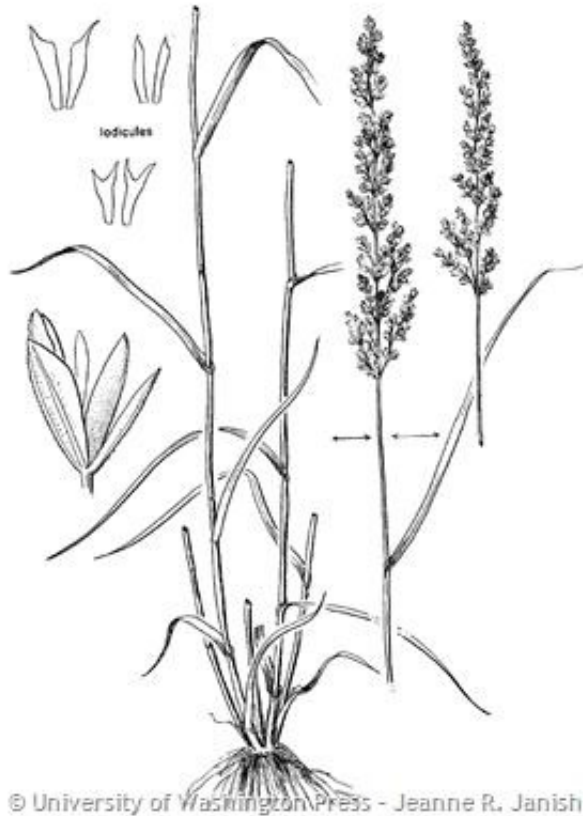
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Along streams, marshes, and sloughs, often where alkaline (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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# Slender Wedgegrass - *Sphenopholis intermedia*

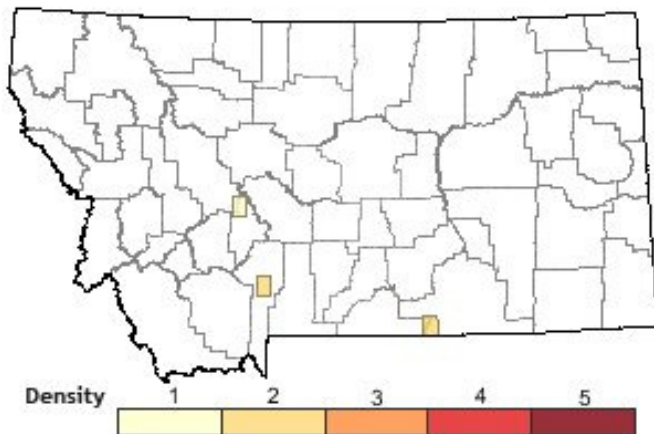
[http://FieldGuide.mt.gov/detail\\_PMPOA5T060.aspx](http://FieldGuide.mt.gov/detail_PMPOA5T060.aspx)



## Species of Concern

**Global Rank:** G5  
**State Rank:** S1S3

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**



**Number of Observations:** 5

## General Description

Stems 30–100 cm. Leaves: blades flat, 2–6 mm wide. Inflorescence nodding open panicle, 7–20 cm long. Spikelets 2.5–4 mm long; second glume typically broadest below the tip. Lemmas 2–3 mm long (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## Habitat

Wet site inhabiting, often in disturbance-prone settings (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

# Prairie Wedgegrass - *Sphenopholis obtusata*

[http://FieldGuide.mt.gov/detail\\_PMPOA5T030.aspx](http://FieldGuide.mt.gov/detail_PMPOA5T030.aspx)



**Global Rank:** G5  
**State Rank:** S4

## **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

## **General Description**

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Stems 30–100 cm. Leaves: blades flat, 2–6 mm wide. Inflorescence an erect, dense, panicle with spicate branches, 7–20 cm long. Spikelets 2.5–3.5 mm long; second glume broadest right near the tip. Lemmas 2–3 mm long (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## **Habitat**

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Wet to dry site inhabiting but usually where water is at least intermittently abundant (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Ute Ladies' Tresses - *Spiranthes diluvialis*

[http://FieldGuide.mt.gov/detail\\_PMORC2B100.aspx](http://FieldGuide.mt.gov/detail_PMORC2B100.aspx)



### Species of Concern

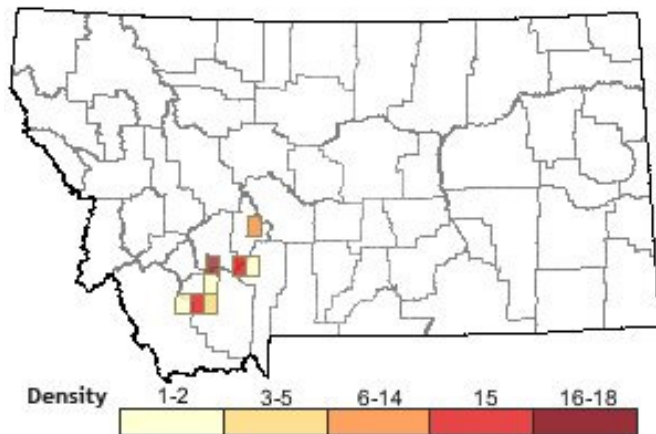
**Global Rank:** G2G3  
**State Rank:** S1S2

#### AGENCY STATUS

**USFWS:** LT

**USFS:**

**BLM:**



**Number of Observations:** 71

### General Description

Ute Ladies' Tresses is a perennial orchid with usually 1 stem that is 20-50 cm tall and arising from tuberously thickened roots. Its narrow leaves are 1 cm wide, can reach 28 cm long, are longest at their base, and persist during flowering. The inflorescence consists of few to many white or ivory flowers clustered in a spike of 3-rank spirals at the top of the stem. The sepals and petals are ascending or perpendicular to the stem. The lateral sepals often spread abruptly from the base of the flower, and sepals are free or only slightly connate at the base. The lip petal is somewhat constricted at the median.

### Habitat

Alkaline wetlands, swales and old, meander channels often on the edge of the wetland or in areas that are dry by mid-summer. Habitat is limited to areas within major river drainages. In areas that are ungrazed, *Spiranthes* may occur among taller, relatively dense herbaceous vegetation making detection difficult.

## Hooded Ladies'-tresses - *Spiranthes romanzoffiana*

[http://FieldGuide.mt.gov/detail\\_PMORC2B0V0.aspx](http://FieldGuide.mt.gov/detail_PMORC2B0V0.aspx)



**Global Rank:** G5  
**State Rank:** S4

**AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

### General Description

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Stem 5–40 cm. Leaves narrowly oblanceolate, 3–15 cm long. Inflorescence viscid, 2–10 cm long with numerous tightly contiguous flowers in 3 or 4 columns; bracts 7–12 mm long. Flowers: lower sepals with spreading tips; hood 5–10 mm long; lip petal 7–11 mm long with a dilated, reflexed tip. Capsule 6–10 mm long (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### Habitat

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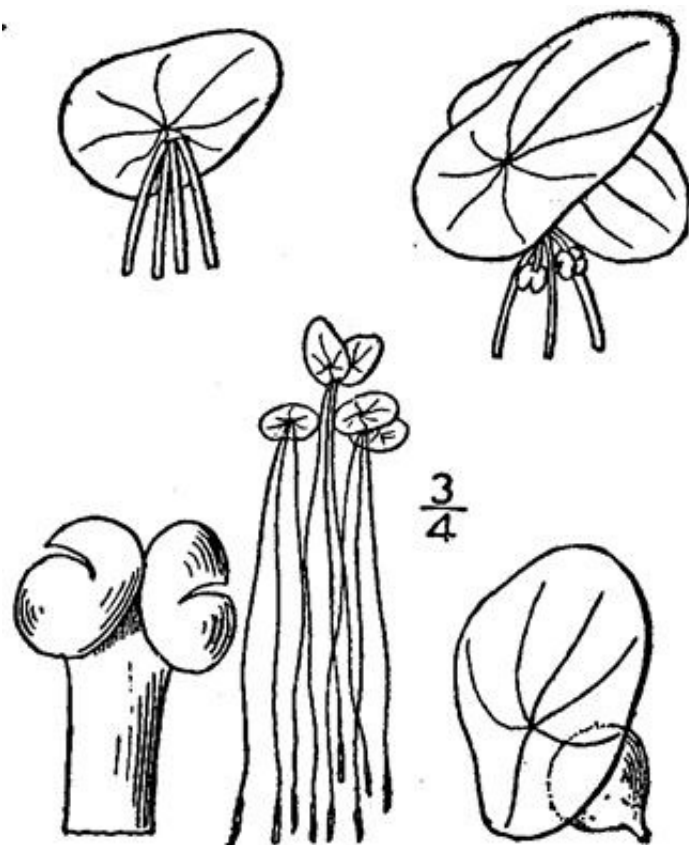
Wet meadows, fens, occasionally moist grasslands; valleys to subalpine (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Duck-meal - *Spirodela polyrrhiza*

[http://FieldGuide.mt.gov/detail\\_PMLEM02010.aspx](http://FieldGuide.mt.gov/detail_PMLEM02010.aspx)



**Global Rank:** G5  
**State Rank:** SNR

### **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

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# Alkali Sacaton - *Sporobolus airoides*

[http://FieldGuide.mt.gov/detail\\_PMPOA5V020.aspx](http://FieldGuide.mt.gov/detail_PMPOA5V020.aspx)



**Status Under Review**

**Global Rank:** G5  
**State Rank:** S3S4

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

## General Description

---

Perennial, often forming broad tussocks. Stems 40–80 cm. Leaves: blades 2–4 mm wide; throat with long hairs. Inflorescence a diffuse panicle 10–40 cm long, not much enclosed in leaf sheath. Spikelets 2–2.5 mm long. Lemmas 1.5–2.5 mm long (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## Habitat

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On moderately alkaline soils and moderately disturbed open dry vegetation, including road and trailsides (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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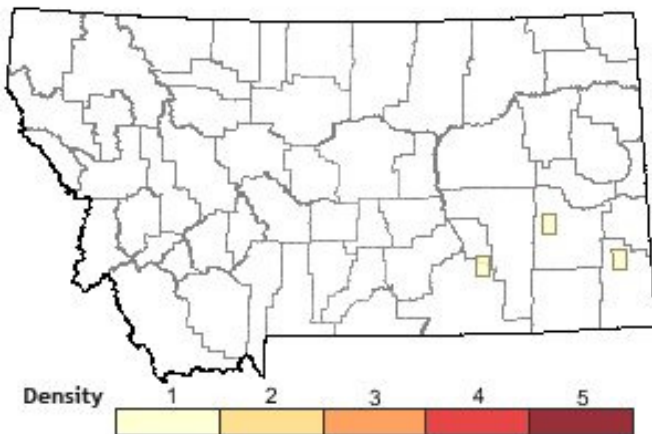
## Tall Dropseed - *Sporobolus compositus*

[http://FieldGuide.mt.gov/detail\\_PMPOA5V160.aspx](http://FieldGuide.mt.gov/detail_PMPOA5V160.aspx)

### Species of Concern

**Global Rank:** G5  
**State Rank:** SH

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**



**Number of Observations:** 3

### General Description

Longleaf Dropseed is a perennial grass with solitary or clustered, erect stems that are 2-12 dm tall. Leaves are flat to inrolled and 1-5 mm wide, each with a long-pointed tip. Leaf sheaths may have long hairs at the top, and there is a short, fringed membrane, or ligule, on the blade where it meets the sheath. Foliage is roughened to short-hairy. Short-stalked, tightly erect spikelets are borne in a highly branched but spike-like inflorescence that is up to 18 cm long. Part of the inflorescence is usually enclosed by the uppermost leaf sheath. Each lance-shaped spikelet has 1 flower that is 3-6 mm long and consisting of two unequal-length glumes enclosing a longer lemma and a palea of ca. equal length.

### Habitat

Open forests and grasslands on the plains.

## Sand Dropseed - *Sporobolus cryptandrus*

[http://FieldGuide.mt.gov/detail\\_PMPOA5V070.aspx](http://FieldGuide.mt.gov/detail_PMPOA5V070.aspx)



**Global Rank:** G5  
**State Rank:** S4S5

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

### General Description

---

Perennial. Stems 20–80 cm. Leaves: blades 2–5 mm wide; throat with a conspicuous tuft of whitish hairs. Inflorescence a contracted to open panicle 8–20 cm long, partially enclosed in leaf sheath. Spikelets 2–2.5 mm long. Lemmas 1.4–2.5 mm long (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### Habitat

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Occurring in disturbed settings and rarely in sagebrush steppe, common along roadsides and there conspicuous because of inflorescences each enclosed in an arcuate leaf sheath (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Prairie Dropseed - *Sporobolus heterolepis*

[http://FieldGuide.mt.gov/detail\\_PMPOA5V0E0.aspx](http://FieldGuide.mt.gov/detail_PMPOA5V0E0.aspx)



**Status Under Review**

**Global Rank:** G5

**State Rank:** SU

### **AGENCY STATUS**

**USFWS:**

**USFS:**

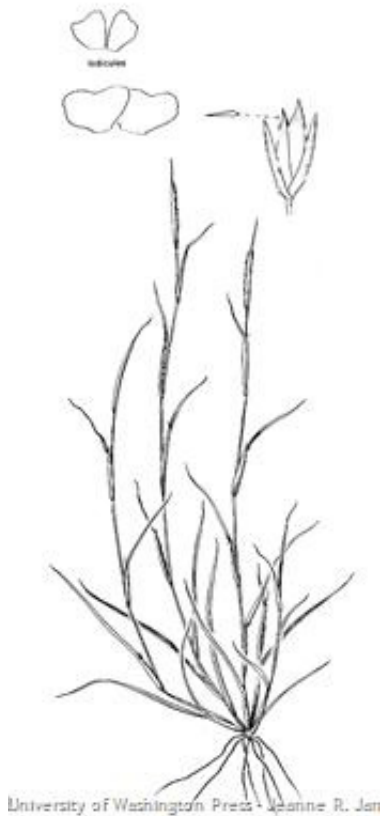
**BLM:**

**Number of Observations:** 0

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# Small Dropseed - *Sporobolus neglectus*

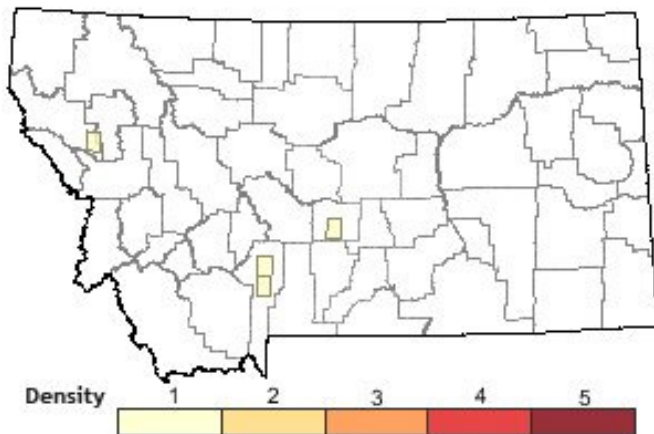
[http://FieldGuide.mt.gov/detail\\_PMPOA5V0L0.aspx](http://FieldGuide.mt.gov/detail_PMPOA5V0L0.aspx)



## Species of Concern

**Global Rank:** G5  
**State Rank:** S1S2

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**



**Number of Observations:** 4

## General Description

Small Dropseed is an annual grass with tufted, wiry, ascending stems that are 10-40 cm tall. Its leaves have flat to inrolled blades that are 1-2 mm wide and sheaths that enfold the stem only at the base; the sheaths have long hairs along their margins and at the junction with the blade. There is a short membrane, or ligule, on the blade where it meets the sheath. Tiny, short-stalked, tightly erect spikelets are borne in a cylindrical inflorescence that is 1-3 cm long and enclosed in the leaf sheaths. Each egg-shaped spikelet has 1 flower that is ca. 2 mm long and consisting of two equal-length glumes enclosing a lemma and a palea of longer but ca. equal length.

## Habitat

Grasslands in the valleys and on the plains; both natural and disturbed habitats are represented in MT.

## Sheathed Dropseed - *Sporobolus vaginiflorus*

[http://FieldGuide.mt.gov/detail\\_PMPOA5V0X0.aspx](http://FieldGuide.mt.gov/detail_PMPOA5V0X0.aspx)



**Global Rank:** G5  
**State Rank:** SU

### **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

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## Western Featherbells - *Stenanthium occidentale*

[http://FieldGuide.mt.gov/detail\\_PMLIL1W020.aspx](http://FieldGuide.mt.gov/detail_PMLIL1W020.aspx)



**Global Rank:** G4  
**State Rank:** S4

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

### General Description

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Glabrous perennial from an elongate bulb. Stems ascending to erect, 15–55 cm. Leaves petiolate, basal; blades linear-oblongate, 5–25 cm × 2–20 mm. Inflorescence a simple or branched, linear-bracteate raceme with 3 to 20 well-separated, nodding flowers. Flowers regular, campanulate, yellow-green to purplish; tepals united at the base, 8–15 mm long, linear-lanceolate with spreading, acuminate tips; stamens barely included; ovary superior or slightly inferior; style deeply 3-branched. Fruit a lanceoloid, 3-beaked capsule ca. 15 mm long (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### Habitat

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Moist, often shallow soil of coniferous forest, often along streams, cool shaded slopes, cliffs; valleys to lower alpine (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Needle-and-Thread - *Stipa comata*

[http://FieldGuide.mt.gov/detail\\_PMPOA5X080.aspx](http://FieldGuide.mt.gov/detail_PMPOA5X080.aspx)



**Global Rank:** G5  
**State Rank:** S5

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

### General Description

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Stems 30–70 cm. Leaves: blades 2–4 mm wide, hairy or hairless at throat region, ligule 3–6 mm long. Inflorescence a contracted to sometimes open panicle 15–32 cm long. Spikelets 16–35 mm long. Lemmas evenly to unevenly whitish hairy, with an awn 6.5–22 cm long (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX)..

### Habitat

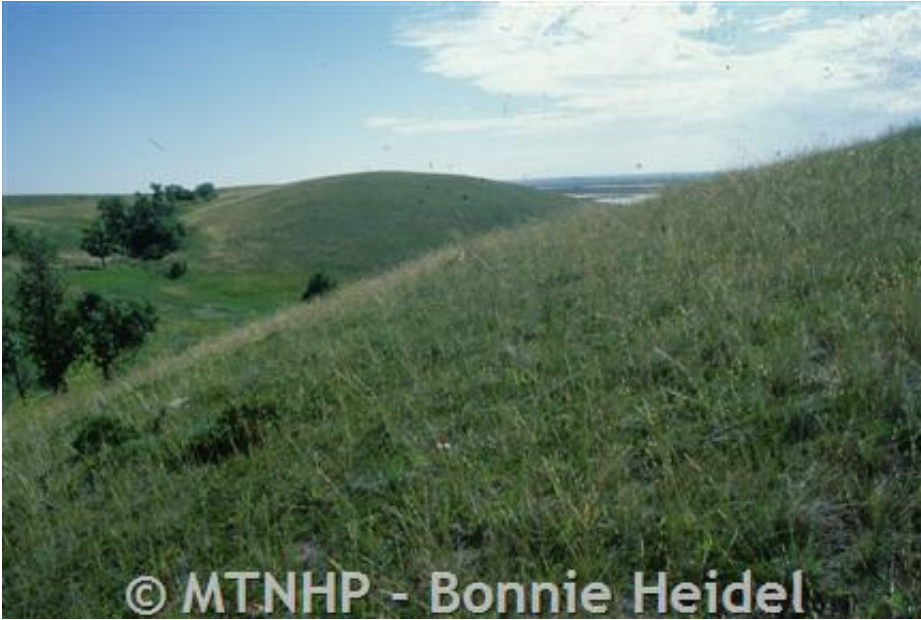
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Open dry settings including sagebrush steppe with high native plant cover as well as well-grazed rangelands and along secondary roads (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Western Porcupine Grass - *Stipa curtiseta*

[http://FieldGuide.mt.gov/detail\\_PMPOA5X170.aspx](http://FieldGuide.mt.gov/detail_PMPOA5X170.aspx)



**Status Under Review**

**Global Rank:** G5  
**State Rank:** SU

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

### General Description

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Treated as a synonym of *Stipa comata* by Lavin (2012) but as distinct by *Hesperostipa curtiseta* (Hitchc.) Barkworth by Barkworth (2007 in Fl. N. Amer. Vol. 24; Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### Habitat

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Light to clay loam in prairies and northern intermontane grasslands (Barkworth 2007 in Fl. N. Amer. Vol. 24).

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## Lemmon's Needlegrass - *Stipa lemmonii*

[http://FieldGuide.mt.gov/detail\\_PMPOA5X0F0.aspx](http://FieldGuide.mt.gov/detail_PMPOA5X0F0.aspx)



**Global Rank:** G5  
**State Rank:** SU

### **AGENCY STATUS**

**USFWS:**

**USFS:**

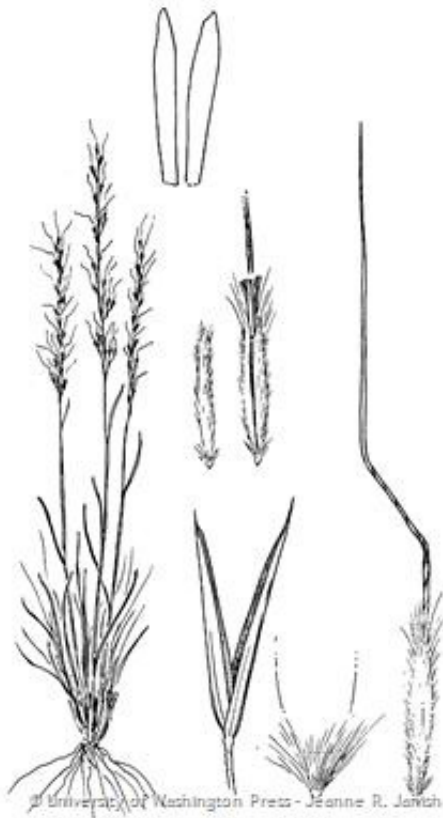
**BLM:**

**Number of Observations:** 0

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# Letterman's Needlegrass - *Stipa lettermanii*

[http://FieldGuide.mt.gov/detail\\_PMPOA5X0H0.aspx](http://FieldGuide.mt.gov/detail_PMPOA5X0H0.aspx)



## Species of Concern

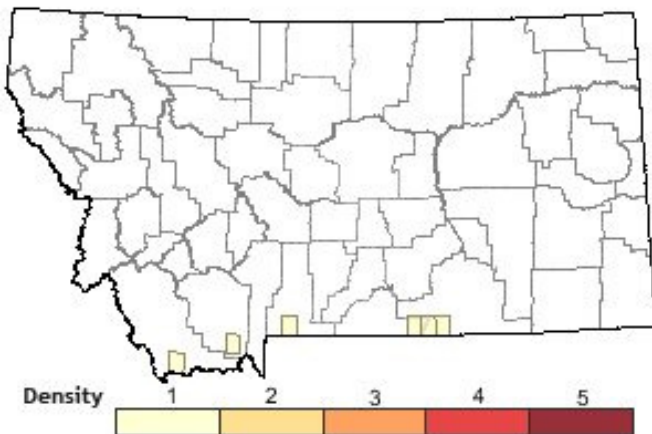
**Global Rank:** G5  
**State Rank:** S1S3

## AGENCY STATUS

**USFWS:**

**USFS:**

**BLM:**



**Number of Observations:** 6

## General Description

Letterman's Needlegrass is a bunch-forming perennial with mostly glabrous stems which stand 2-6 dm tall. The leaf blades are 1-1.5 mm wide and are threadlike or rolled lengthwise. The ligules are membranous, mostly 0.3 to 0.8 mm long, and cut straight across the width of the leaf. The narrow inflorescence is 10-15 cm long with erect branches. The spikelets consist of two glumes which are longer than and enclose a single floret. The glumes are 6-9 mm long with 3 nerves and pointed tips. The lemma is hardened in comparison to the glumes, is hairy with longer hairs towards the tip, and has a twisted, bent, glabrous awn from its tip which is about 1.5 cm long; the body of the lemma, excluding the awn, is 4-5.5 mm long. The palea is hairy, about 3.5 mm long, and usually at least 2/3 the length of the body of the lemma.

## Habitat

Limestone talus and dry fescue grassland in the valley and foothill zones.

# Nelson's Needlegrass - *Stipa nelsonii*

[http://FieldGuide.mt.gov/detail\\_PMPOA5X180.aspx](http://FieldGuide.mt.gov/detail_PMPOA5X180.aspx)



**Global Rank:** G5  
**State Rank:** S4

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

## General Description

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Stems 30–80 cm. Leaves: blades 2–5 mm wide, hairless at throat region; sheaths conspicuously hairy or glabrate; ligule 1–2 mm long. Inflorescence a contracted panicle 10–30 cm long. Spikelets 8–12 mm long. Lemmas appressed hairy, with an awn 2–4 cm long (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## Habitat

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Open dry settings, including mountain big sagebrush steppe, at middle elevations in the mountains (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Columbia Needlegrass - *Stipa nelsonii* ssp. *dorei*

[http://FieldGuide.mt.gov/detail\\_PMPOA5X181.aspx](http://FieldGuide.mt.gov/detail_PMPOA5X181.aspx)



**Status Under Review**

**Global Rank:** G5T5?

**State Rank:** SU

**AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

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## Nelson's Needlegrass - *Stipa nelsonii* ssp. *nelsonii*

[http://FieldGuide.mt.gov/detail\\_PMPOA5X182.aspx](http://FieldGuide.mt.gov/detail_PMPOA5X182.aspx)



**Status Under Review**

**Global Rank:** G5T5

**State Rank:** SU

**AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

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## Nevada Needlegrass - *Stipa nevadensis*

[http://FieldGuide.mt.gov/detail\\_PMPOA5X0P0.aspx](http://FieldGuide.mt.gov/detail_PMPOA5X0P0.aspx)



**Status Under Review**

**Global Rank:** G4

**State Rank:** SU

**AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

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# Western Needlegrass - *Stipa occidentalis*

[http://FieldGuide.mt.gov/detail\\_PMPOA5X0Q0.aspx](http://FieldGuide.mt.gov/detail_PMPOA5X0Q0.aspx)



**Status Under Review**

**Global Rank:** G5  
**State Rank:** SNR

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

## General Description

---

Stems 20–40 cm. Leaves: blade 2–3 mm wide, hairless to somewhat hairy near the throat; ligule 0.5–1 mm long. Inflorescence a narrow contracted panicle 10–15 cm long. Spikelet 5–8 mm long. Lemmas appressed hairy, with an awn 3–4 cm long that is plumose in the lower portion (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## Habitat

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Sagebrush steppe and other open dry settings in the mountains (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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# Pineforest Needlegrass - *Stipa pinetorum*

[http://FieldGuide.mt.gov/detail\\_PMPOA5X0R0.aspx](http://FieldGuide.mt.gov/detail_PMPOA5X0R0.aspx)



**Status Under Review**

**Global Rank:** G4  
**State Rank:** SU

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

## General Description

---

Stems 10–30 cm. Leaves: blades 0.5–0.8 mm wide, essentially hairless at the throat; ligule <0.5 mm long. Inflorescence a contracted panicle 10–14 cm long. Spikelet 8–10 mm long. Lemmas with dense spreading long hairs, with an awn 15–20 mm long (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## Habitat

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Open to closed dry understory at middle elevations (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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# Richardson's Needlegrass - *Stipa richardsonii*

[http://FieldGuide.mt.gov/detail\\_PMPOA5X0V0.aspx](http://FieldGuide.mt.gov/detail_PMPOA5X0V0.aspx)



**Global Rank:** G5  
**State Rank:** S4

## **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

## **General Description**

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Stems 40–80 cm. Leaves: blades 1–2 mm wide, scabrous near the throat, ligule <0.5 mm. Inflorescence an open panicle 10–15 cm long. Spikelets 7–8 mm long, pendant. Lemmas appressed hairy, with an awn 1.5–3 cm long (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## **Habitat**

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Open dry settings and open montane understory, including mountain big sagebrush steppe (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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# Porcupine Needlegrass - *Stipa spartea*

[http://FieldGuide.mt.gov/detail\\_PMPOA5X0Y0.aspx](http://FieldGuide.mt.gov/detail_PMPOA5X0Y0.aspx)



**Status Under Review**

**Global Rank:** G5  
**State Rank:** SU

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

## General Description

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Stems 70–110 cm. Leaves: blade 3–5 mm wide, essentially hairless at throat; ligule 2–6 mm long. Inflorescence a contracted panicle 15–25 cm long. Spikelet 25–45 mm long. Lemmas unevenly brownish hairy, with a stout awn 10–20 cm long (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## Habitat

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Sporadic in open dry settings at low elevations (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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# Thurber's Needlegrass - *Stipa thurberiana*

[http://FieldGuide.mt.gov/detail\\_PMPOA5X120.aspx](http://FieldGuide.mt.gov/detail_PMPOA5X120.aspx)



**Global Rank:** G5  
**State Rank:** SU

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

## General Description

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Thurber's Needlegrass is tufted grass 20-70 cm tall arising from fibrous roots. The leaves are 1-2.2 mm broad but strongly involute, and the membranous ligule is 2-5 mm long, acute to truncate. The panicle is 7-13 cm long, usually erect, with glumes 9-14 mm long, and equal or subequal. The awn is twice geniculate, over 10 cm long, and with hairs 1-2 mm long on all but the terminal segment.

## Habitat

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Sporadic in open dry settings at low elevations (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Green Needlegrass - *Stipa viridula*

[http://FieldGuide.mt.gov/detail\\_PMPOA4B090.aspx](http://FieldGuide.mt.gov/detail_PMPOA4B090.aspx)



**Global Rank:** G5  
**State Rank:** S4

### **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

### **General Description**

---

Stems 50–100 cm. Leaves: blades 1–2 mm wide hairy at the throat; ligules 1–2 mm long. Inflorescence a contracted panicle 7–14 cm long. Spikelets 9–12 mm long. Lemmas appressed hairy, with an awn 2–3.5 cm long (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### **Habitat**

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Sagebrush steppe and other open dry sites at lower elevations especially east and south of the continental divide (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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# Clasping Twisted-stalk - *Streptopus amplexifolius*

[http://FieldGuide.mt.gov/detail\\_PMLIL1X010.aspx](http://FieldGuide.mt.gov/detail_PMLIL1X010.aspx)



**Global Rank:** G5  
**State Rank:** S4S5

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

## General Description

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Stems erect, usually branched above, 30–100 cm. Herbage glabrate. Leaves clasping, 4–10 cm long. Inflorescence: solitary pendent flowers on jointed peduncles. Flowers yellow-green; tepals 6–12 mm long with spreading to recurved tips; stamens unequal; style barely 3-lobed. Berry yellow or red, 8–12 mm long (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## Habitat

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Moist to wet forest, thickets, especially along streams, lakes; valleys to lower subalpine (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Rosy Twisted-stalk - *Streptopus lanceolatus*

[http://FieldGuide.mt.gov/detail\\_PMLIL1X020.aspx](http://FieldGuide.mt.gov/detail_PMLIL1X020.aspx)



**Status Under Review**

**Global Rank:** G5  
**State Rank:** SNR

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

### General Description

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Stems erect, usually simple, 15–30 cm. Herbage sparsely pubescent. Leaves not clasping, 5–9 cm long. Inflorescence: 1 or 2 pendent flowers on short-hairy pedicels. Flowers yellow-green, streaked reddish; tepals 6–10 mm long with barely spreading tips; stamens ca. equal; style 3-branched. Berry red berry 5–6 mm long (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### Habitat

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Wet forest, valleys (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Small Tofieldia - *Tofieldia pusilla*

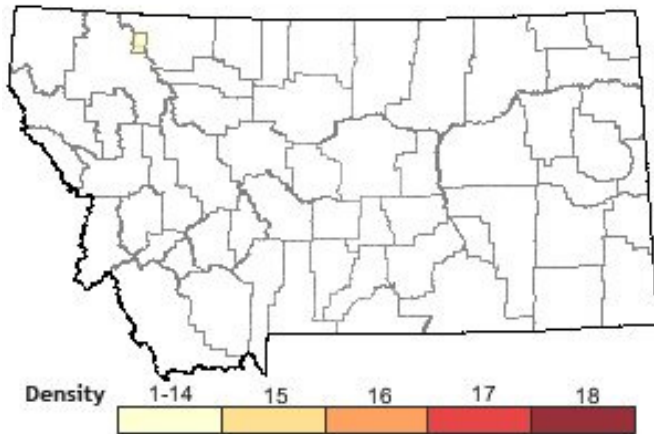
[http://FieldGuide.mt.gov/detail\\_PMLIL1Y040.aspx](http://FieldGuide.mt.gov/detail_PMLIL1Y040.aspx)



### Species of Concern

**Global Rank:** G5  
**State Rank:** S2

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**



**Number of Observations:** 14

### General Description

Small Tofieldia is a small perennial from a short rhizome with flowering stems which stand 0.5-2 dm tall. Plants have numerous linear, strongly folded, parallel-veined leaves in tufts at the base of the stem; the leaves are mostly 2-5 cm long. The flower stem is leafless but sometimes has one small bract. The flowers are borne on short pedicels in a crowded head. The flowers are greenish or whitish with 6 similar tepals that are about 2 mm long, 6 short stamens, and a 3-lobed pistil with 3 short styles. The 3-celled fruits are 2-3 mm long and contain numerous seeds which lack appendages.

### Habitat

Moist tundra in the alpine zone.

## Weak Mannagrass - *Torreyochloa pallida*

[http://FieldGuide.mt.gov/detail\\_PMPOA61030.aspx](http://FieldGuide.mt.gov/detail_PMPOA61030.aspx)



**Global Rank:** G5  
**State Rank:** S4

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

### General Description

---

Cool season, rhizomatous, perennial aquatic. Stems 40–70 cm. Leaves: blades 1–3 mm wide, mostly flat and lax to ascending; sheaths with overlapping margins; ligule membranous. Inflorescence an open panicle 6–12 cm long. Spikelets 4–7 mm long, with 4 to 7 florets; glumes similar to lemmas. Lemmas hairless or scabrous with a blunt tip, rounded on back and with prominent parallel venation; palea well developed. Disarticulation above glumes; unit of dispersal the floret. Treated by Lavin (2012) in *Torreyochloa* (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### Habitat

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Alkaline and fresh water aquatic, often at higher elevations, primarily in western MT. (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Bracted Spiderwort - *Tradescantia bracteata*

[http://FieldGuide.mt.gov/detail\\_PMCOM0B010.aspx](http://FieldGuide.mt.gov/detail_PMCOM0B010.aspx)



**Global Rank:** G5  
**State Rank:** SU

### **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

### **General Description**

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Stems erect to ascending, 5–45 cm, sometimes branched. Herbage glabrate. Leaves long-acuminate, 15–29 cm × 9–20 mm. Bracts 6–30 cm long. Flowers; pedicels 2–3 cm long; sepals 10–13 mm long, with glandular and eglandular hairs; petals rose, ca. 18 mm long; filaments pilose. Capsule 5–6 mm long (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### **Habitat**

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Grasslands, thickets; plains (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Prairie Spiderwort - *Tradescantia occidentalis*

[http://FieldGuide.mt.gov/detail\\_PMCOM0B0F0.aspx](http://FieldGuide.mt.gov/detail_PMCOM0B0F0.aspx)



**Global Rank:** G5  
**State Rank:** S4

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

### General Description

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Perennial, subsucculent herbaceous plant. Roots both fleshy and succulent. Stems to 60 cm in height. Leaves, green with a whitish bloom, alternate, linear-lanceolate, entire, 6-50 cm in length and 0.2-2.0 cm broad, with sheathing bases. Inflorescence umbellate, subtended by elongate bracts similar to the foliage leaves. Bracts to 60 cm long. Flower stalks, 1-2 cm long, and glandular hairy. Sepals 3, 6-12 mm long, glandular hairy, with purplish margins. Petals 3, blue to rose, broadly ovate, and 7-15 mm long. One flower in each cluster opens each day, and lasts for only a few hours. Stamens six. Fruit a capsule with three locules (sections), each locule producing 3-6 oblong seeds, 2-4 mm long, yellow to dark brown in color.

Our plants are variety *occidentalis*.

### Habitat

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Sandy soil of grasslands; plains (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Western False Asphodel - *Triantha occidentalis*

[http://FieldGuide.mt.gov/detail\\_PMLIL1Y070.aspx](http://FieldGuide.mt.gov/detail_PMLIL1Y070.aspx)



**Global Rank:** G5  
**State Rank:** S3S4

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

### General Description

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Stems stipitate-glandular, 6–45 cm. Leaves 3–25 cm × 2–6 mm. Flowers in groups of 3; tepals 4–7 mm long. Capsule 5–8 mm long (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

Lesica (2012) treats this species as *Tofieldia glutinosa* subspecies *montana* C.L. Hitchc., although ~~The Plant List~~ also treats it in *Triantha*.

### Habitat

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Wet meadows, fens, especially around lakes, streams, wet rock ledges; subalpine, alpine, uncommon lower (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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# Hudson's Bay Bulrush - *Trichophorum alpinum*

[http://FieldGuide.mt.gov/detail\\_PMCYP0A010.aspx](http://FieldGuide.mt.gov/detail_PMCYP0A010.aspx)



## Species of Concern

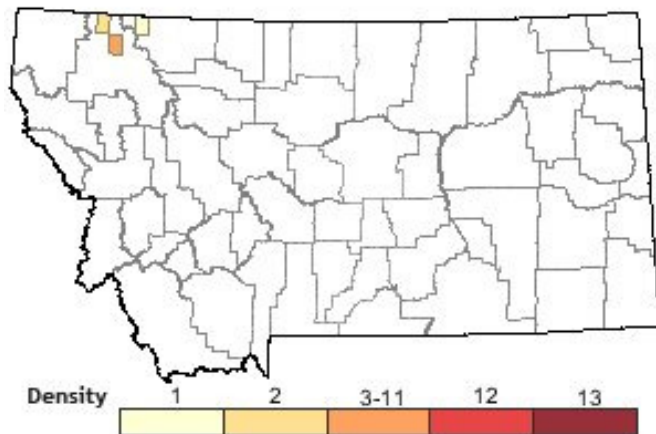
**Global Rank:** G5  
**State Rank:** S2

### AGENCY STATUS

**USFWS:**

**USFS:**

**BLM:**



**Number of Observations:** 14

## General Description

Hudson's Bay Bulrush is a glabrous, grass-like perennial with clustered, 3-sided stems that are 1-4 dm high and arising from a short rhizome. Leaves are clustered near the base and have sheaths and short blades that are 5-12 mm long. Several flowers are spirally arranged in a single, short, spike-like, terminal cluster, or spikelet, that is 5-7 mm long and subtended by a long-tipped scale. Each flower consists of a single brown scale narrowed to a broad, blunt tip subtending 3 stamens and an ovary with 6 white bristles that greatly surpass the scale. These bristles form a silky tuft that extends 1-2 cm beyond the spikelet at maturity. The brown, 3-sided achene is ca. 1.5 mm long.

## Habitat

Wet, cold organic soil of fens and slopes in the montane and subalpine zones.



# Tufted Club-rush - *Trichophorum cespitosum*

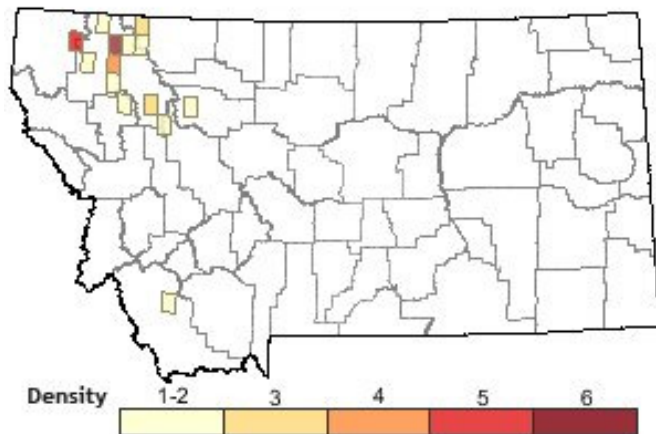
[http://FieldGuide.mt.gov/detail\\_PMCYP0Q060.aspx](http://FieldGuide.mt.gov/detail_PMCYP0Q060.aspx)



## Species of Concern

**Global Rank:** G5  
**State Rank:** S2

**AGENCY STATUS**  
**USFWS:**  
**USFS:** SENSITIVE  
**BLM:**



**Number of Observations:** 34

## General Description

Tufted Club-rush is a perennial, grass-like plant with tufted, stems that are 1-4 dm tall and arising from short rhizomes. The leaves are clustered near the base and are reduced to scales or short blades. Several flowers are spirally arranged in a single, short, spike-like, terminal cluster, or spikelet, that is 4-6 mm long and subtended by a long-tipped scale. Each flower consists of a single scale subtending 3 stamens and an ovary with 6 white bristles that are as long as the scales and arising from the base. The 3-sided achene is ca. 1.5 mm long.

## Habitat

Wet meadows and sphagnum-dominated fens in the montane to alpine zones.

## Rolland's bulrush - *Trichophorum pumilum*

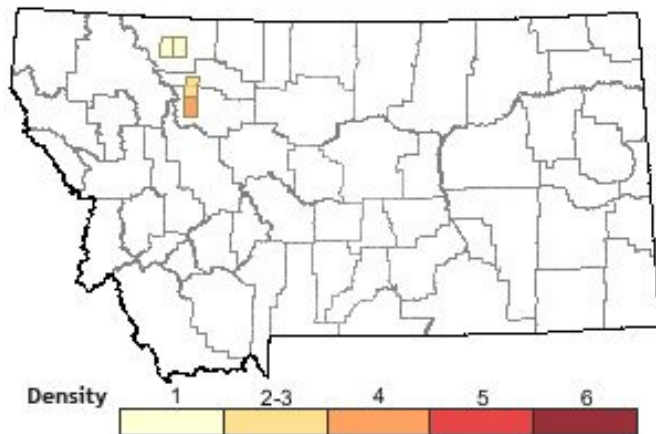
[http://FieldGuide.mt.gov/detail\\_PMCYP0Q250.aspx](http://FieldGuide.mt.gov/detail_PMCYP0Q250.aspx)



### Species of Concern

**Global Rank:** G5  
**State Rank:** S3

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:** SENSITIVE



**Number of Observations:** 9

### General Description

Small Clubrush is a glabrous, grass-like perennial with loosely tufted, slender stems that are 5-12 cm high and arising from slender rhizomes that are clothed in the remains of dead culms and of persistent leaf bases. The leaves have slender blades that are 5-15 mm long above but consist only of sheaths near the base. A solitary globose spikelet, 2-3 mm long, of 3-5 flowers is borne on the stem tip and subtended by a brown, blunt-tipped bract. Each flower consists of a brown scale with thin, white margins subtending 3 stamens and an ovary. The scales fall as the ovaries mature into smooth, blackish achenes that are 1-2 mm long.

### Habitat

Calcareous fens in the foothills.



## Common Bog Arrow-grass - *Triglochin maritima*

[http://FieldGuide.mt.gov/detail\\_PMJCG02030.aspx](http://FieldGuide.mt.gov/detail_PMJCG02030.aspx)



**Global Rank:** G5  
**State Rank:** S5

### **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

### **General Description**

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Stems ascending to erect, 15–70 cm. Leaves 4–40 cm long. Flowers: tepals 1–2 mm long; pistils 6 (sometimes 3 aborted). Fruit erect, narrowly ovoid, 3–6 mm long on pedicels 2–4 mm long (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### **Habitat**

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Wet, open, alkaline soil around ponds and springs in the valley zone.

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## Slender Bog Arrow-grass - *Triglochin palustris*

[http://FieldGuide.mt.gov/detail\\_PMJCG02040.aspx](http://FieldGuide.mt.gov/detail_PMJCG02040.aspx)



**Global Rank:** G5  
**State Rank:** SNR

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

### General Description

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Stems ascending to erect, 10–40 cm. Leaves 5–30 cm long. Flowers: tepals 1–2 mm long; pistils 3. Fruit erect, narrowly obconic, 5–10 mm long on pedicels 2–6 mm long (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### Habitat

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Wet, usually alkaline, often organic soils of fens, shallow wetlands; plains, valleys, montane (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Western Trillium - *Trillium ovatum*

[http://FieldGuide.mt.gov/detail\\_PMLIL200M0.aspx](http://FieldGuide.mt.gov/detail_PMLIL200M0.aspx)



**Global Rank:** G5  
**State Rank:** S4S5

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

### General Description

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Short-rhizomatous, fibrous-rooted, glabrous perennials. Stems erect, 10–40 cm, naked below. Leaves (bracts) 3, sessile, whorled at the stem tip, 3–13 cm long, broadly ovate, acuminate. Inflorescence a solitary, terminal flower; pedicel 15–60 mm long. Flower regular, star-shaped; sepals green, narrowly lanceolate, 15–35 mm long; petals white, fading pink, separate, 25–40 mm; stamens shorter than petals; anthers yellow; style 3-lobed. Fruit a broadly ovoid, 3-winged, many-seeded capsule, 12–25 mm long (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### Habitat

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Moist to wet forest; valleys, lower montane (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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# Nodding Trisetum - *Trisetum canescens*

[http://FieldGuide.mt.gov/detail\\_PMPOA69030.aspx](http://FieldGuide.mt.gov/detail_PMPOA69030.aspx)



**Global Rank:** G5  
**State Rank:** S4

## AGENCY STATUS

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

## General Description

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Stems loosely bunched, 40–100 cm. Leaves: blades mostly 5–9 mm wide. Inflorescence a loosely contracted to open panicle 10–25 cm long, the lower branches with clusters of spikelets distinctly set off from rest of inflorescence. Spikelets 7–9 mm long. Lemmas 2 to 4 per spikelet, awns 7–13 mm long, bent, from upper one-half of lemma (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## Habitat

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Middle to high elevation forest understory (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Tall Trisetum - *Trisetum cernuum*

[http://FieldGuide.mt.gov/detail\\_PMPOA690P0.aspx](http://FieldGuide.mt.gov/detail_PMPOA690P0.aspx)



**Global Rank:** GNR  
**State Rank:** S4

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

### General Description

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Stems 60–100 cm. Leaves: blades 6–12 mm wide. Inflorescence an open lax panicle 10–30 cm long, the branches often drooping. Spikelets 8–11 mm long. Lemmas 2–3 per spikelet, awns 8–13 mm long, bent, from upper half of lemma (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### Habitat

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Open to closed mountain understory (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Narrow False Oats - *Trisetum spicatum*

[http://FieldGuide.mt.gov/detail\\_PMPOA690C0.aspx](http://FieldGuide.mt.gov/detail_PMPOA690C0.aspx)



**Global Rank:** G5  
**State Rank:** S4

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

### General Description

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Stems 15–50 cm. Leaves: blades 1.5–3 mm wide. Inflorescence a spicate panicle 10–25 cm long. Spikelets 7–9 mm long. Lemmas 2 to 4 per spikelet, awn 5–7 mm, bent, from upper half of lemma (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### Habitat

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Mostly montane to subalpine understory (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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# Beardless Oats - *Trisetum wolfii*

[http://FieldGuide.mt.gov/detail\\_PMPOA690E0.aspx](http://FieldGuide.mt.gov/detail_PMPOA690E0.aspx)



**Global Rank:** G4  
**State Rank:** S4

## **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

## **General Description**

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Stems loosely bunched, 50–90 cm. Leaves: blades 4–6 mm wide. Inflorescence a contracted panicle 10–40 cm long. Spikelets 5–7 mm long. Lemmas 2 per spikelet, awns absent (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## **Habitat**

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Open grasslands, wet meadows, and edges of forests in the western MT (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Missoula County Oats - *Trisetum x orthochaetum*

[http://FieldGuide.mt.gov/detail\\_PMPOA690M0.aspx](http://FieldGuide.mt.gov/detail_PMPOA690M0.aspx)



**Status Under Review**

**Global Rank:** GNA  
**State Rank:** SNA

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

### General Description

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Stems few to a bunch, 80–110 cm tall; leaf blades 2–7 mm wide. Inflorescence a contracted and somewhat nodding panicle 13–20 cm long. Spikelets 7–9 mm long. Lemmas mostly 2 or 3, awns 4–6 mm long, straight, from upper half of lemma (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### Habitat

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Margins of montane moist meadows, often in the ecotone with adjacent coniferous forests.

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## Large-flower *Triteleia* - *Triteleia grandiflora*

[http://FieldGuide.mt.gov/detail\\_PMLIL21060.aspx](http://FieldGuide.mt.gov/detail_PMLIL21060.aspx)



**Global Rank:** G4G5  
**State Rank:** S4

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

### General Description

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Scapose, glabrous perennials from fibrous-coated corms. Scapes erect, 30–70 cm. Leaves 1 or 2, basal, linear, 2–15 mm wide. Inflorescence a terminal umbel subtended by few scarious, lanceolate bracts; pedicels 8–25 mm long. Flowers funnelform, blue; tepals united below into a tube 9–15 mm long, the mouth nearly closed; lobes spreading 7–10 mm long; stamens attached to corolla at 2 levels; anthers blue; ovary stipitate; stigmas 3. Fruit an ovoid capsule 6–12 mm long (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### Habitat

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Grasslands, open forest; valleys, lower montane (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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# Cultivated Wheat - *Triticum aestivum*

[http://FieldGuide.mt.gov/detail\\_PMPOA6A010.aspx](http://FieldGuide.mt.gov/detail_PMPOA6A010.aspx)



**Exotic Species (not native to Montana)**

**Global Rank:** GNR

**State Rank:** SNA

## **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

## **General Description**

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Cool season, annual bunchgrass. Stems 50–120 cm. Leaves: blades 5–15 mm wide, flat and lax to ascending; sheaths with overlapping margins; ligule membranous. Inflorescence 5–12 cm long, a two-sided terminal spike with short internodes; rachis continuous. Spikelets 1 per node, 10–14 mm long excluding awns, with 3 to 5 florets, glumes asymmetrically keeled, broad and blunt, often notched at the tip. Lemmas broad, also asymmetrically keeled, awned or awnless; palea well developed. Disarticulation above the glumes; unit of dispersal the fruit (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## **Habitat**

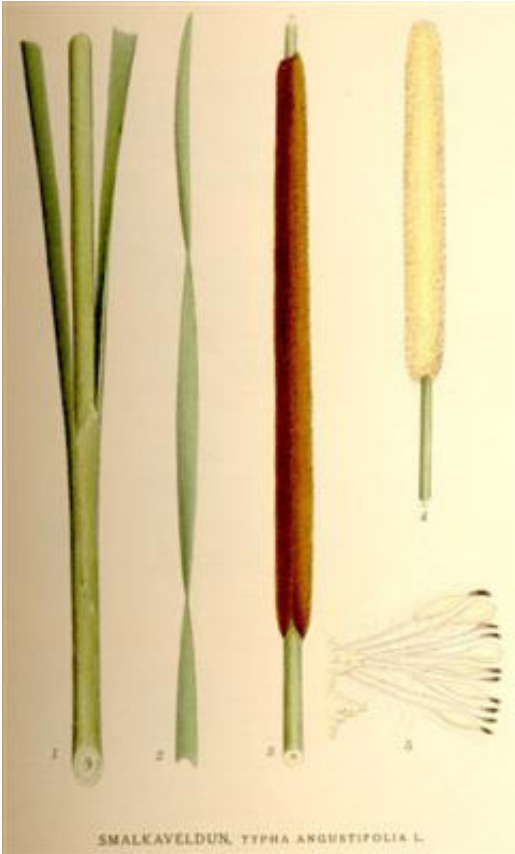
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Introduced and cultivated (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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# Narrow-leaved Cattail - *Typha angustifolia*

[http://FieldGuide.mt.gov/detail\\_PMTYP01020.aspx](http://FieldGuide.mt.gov/detail_PMTYP01020.aspx)



**Global Rank:** G5  
**State Rank:** SU

## **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

## **General Description**

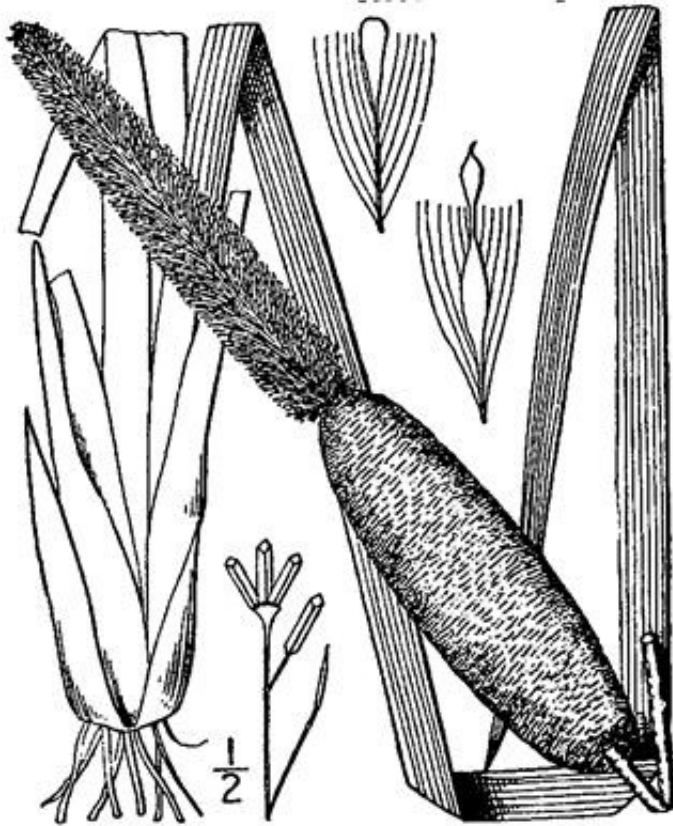
Stems 80–150 cm. Leaves 3 to 12 mm wide. Inflorescence: male spike 8–12 cm × 8–10 mm; separated from the female spike 7–15 cm × 6–9 mm. Flowers: stigma linear, brown; pollen grains shed separately (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## **Habitat**

Shallow water of marshes, ponds, lakes, often where saline; plains, valleys (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## Broadleaf Cattail - *Typha latifolia*

[http://FieldGuide.mt.gov/detail\\_PMTYP01040.aspx](http://FieldGuide.mt.gov/detail_PMTYP01040.aspx)



**Global Rank:** G5  
**State Rank:** S5

### **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

### **General Description**

Stems 1–2 m. Leaves glaucous, 6–18 mm wide. Inflorescence: male spike 7–15 × 1–2 cm; contiguous or separated from the female spike 7–15 × 1–3 cm. Flowers: stigma lanceolate black at the tip; pollen grains shed in tetrads (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### **Habitat**

Shallow to moderately deep water of marshes, ponds, lakes, ditches; plains, valleys, montane (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

# Mountain Hairgrass - *Vahlodea atropurpurea*

[http://FieldGuide.mt.gov/detail\\_PMPOA6M010.aspx](http://FieldGuide.mt.gov/detail_PMPOA6M010.aspx)



**Global Rank:** G5  
**State Rank:** S4

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

## General Description

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Cool season, perennial bunchgrass Stems few-bunched, 20–60 cm. Leaves: blades 4–6 mm wide, flat and ascending; sheaths with overlapping margins; ligule membranous. Inflorescence a contracted to open panicle, drooping to erect, 4–8 cm long. Spikelets ovoid, 2-flowered, 5.5–6 mm long; glumes enveloping the florets, distal portion purplish. Lemmas 2 per spikelet, awned from near the middle; rachilla hairs long; palea enclosed in floret. Disarticulation above the glumes; unit of dispersal the floret (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## Habitat

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Alpine to subalpine meadows (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Ventenata - *Ventenata dubia*

[http://FieldGuide.mt.gov/detail\\_PMPOA6D010.aspx](http://FieldGuide.mt.gov/detail_PMPOA6D010.aspx)



**Exotic Species (not native to Montana)**

**Global Rank:** GNR

**State Rank:** SNA

**AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

### General Description

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Cool season, annual bunchgrass. Stems few-bunched, 50–70 cm. Leaves: blades 1–3 mm broad, inrolled and ascending; sheaths with overlapping margins; ligule membranous. Inflorescence an open panicle, 2–4 dm long, only the very distal branch ends bearing spikelets. Spikelets 6–10 mm long, mostly with 3 florets, callus of spikelet well developed, glumes distinctly ribbed or veined, enveloping the florets. Lemmas dimorphic; the lowermost staminate and persistent straight awn; the upper lemmas fertile and with a bent and twisted awn, readily disarticulating; callus bearded; palea well developed. Disarticulation above and below glumes; unit of dispersal the floret (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### Habitat

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Sporadic in MT along roadsides and pastures and range with a significant disturbance history (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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# California False-hellebore - *Veratrum californicum*

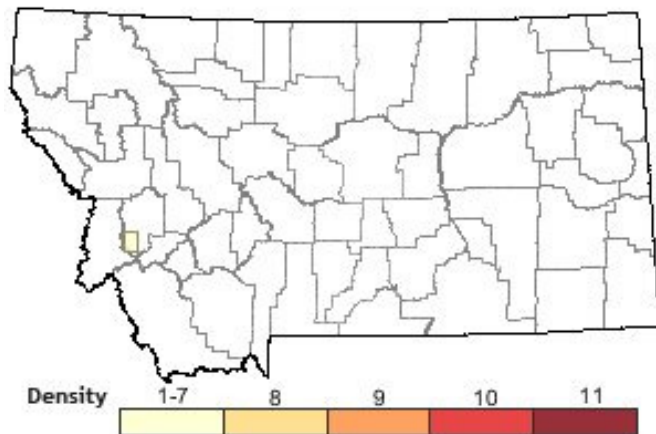
[http://FieldGuide.mt.gov/detail\\_PMLIL25020.aspx](http://FieldGuide.mt.gov/detail_PMLIL25020.aspx)



## Species of Concern

**Global Rank:** G5  
**State Rank:** S2

**AGENCY STATUS**  
**USFWS:**  
**USFS:** SENSITIVE  
**BLM:**



**Number of Observations:** 7

## General Description

California False-hellebore is a robust, herbaceous perennial with solitary, unbranched stems that are 1-2 m high and arising from thick rhizomes. The numerous, alternate, broadly elliptic, sessile leaves are 2-3 dm long, and they have entire margins and parallel veins and sheath the stem at the base. Foliage is glabrous below, with the stem becoming densely short-hairy above. The nearly sessile flowers are crowded in a narrow, erectly branched inflorescence that is 3-6 dm long. Each flower has 6 white, petal-like, narrowly elliptic tepals that are 10-15 mm long with green markings at the base. There are 6 stamens that are less than 1/2 as long as the tepals and a glabrous ovary that matures into an egg-shaped capsule that is 2-3 cm long.

## Habitat

Wet meadows and streambanks in the montane and subalpine zones.



## American False Hellebore - *Veratrum viride*

[http://FieldGuide.mt.gov/detail\\_PMLIL25070.aspx](http://FieldGuide.mt.gov/detail_PMLIL25070.aspx)



**Global Rank:** G5  
**State Rank:** S4

### **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

### **General Description**

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Stems 1–2 m. Leaves 12–35 cm long, reduced upward. Inflorescence with numerous flowers in spreading to drooping branches at anthesis. Flowers greenish; tepals oblanceolate, 5–9 mm long, tomentose on the outside, short-fringed at the base. Capsule glabrous, 1–2 cm long (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### **Habitat**

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Moist forest openings, meadows, avalanche slopes; montane, subalpine (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Brome Fescue - *Vulpia bromoides*

[http://FieldGuide.mt.gov/detail\\_PMPOA6F010.aspx](http://FieldGuide.mt.gov/detail_PMPOA6F010.aspx)



**Exotic Species (not native to Montana)**

**Global Rank:** GNR

**State Rank:** SNA

**AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

### General Description

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Stems 10–30 cm. Leaves: blades 1 mm wide. Inflorescence a narrow panicle 2–8 cm long. Spikelets 6–8 mm long. Lemmas with an awn 6–11 mm long (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### Habitat

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Sporadic throughout much of N. America excluding the north-central region (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).PLACEHOLDER (field is currently blank)

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# Small Six-weeks Fescue - *Vulpia microstachys*

[http://FieldGuide.mt.gov/detail\\_PMPOA6F030.aspx](http://FieldGuide.mt.gov/detail_PMPOA6F030.aspx)



**Status Under Review**

**Global Rank:** G5  
**State Rank:** SU

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

## General Description

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Stems 20–40 cm. Leaves: blades 1 mm wide. Inflorescence an open panicle 5–10 cm long. Spikelets 5–7 mm long. Lemmas with an awn 5–8 mm long (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## Habitat

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Shrub steppe vegetation as well as disturbed sites (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).)

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# Foxtail Fescue - *Vulpia myuros*

[http://FieldGuide.mt.gov/detail\\_PMPOA6F040.aspx](http://FieldGuide.mt.gov/detail_PMPOA6F040.aspx)



**Exotic Species (not native to Montana)**

**Global Rank:** G5

**State Rank:** SNA

## **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

## **General Description**

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Stems 20–60 cm. Leaves: blades 1 mm wide. Inflorescence a narrow panicle 7–20 cm long. Spikelets 5–8 mm long. Lemmas with an awn 5–12 mm long (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## **Habitat**

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Frequently disturbed sites in open dry shrub steppe vegetation (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Six-weeks Fescue - *Vulpia octoflora*

[http://FieldGuide.mt.gov/detail\\_PMPOA6F050.aspx](http://FieldGuide.mt.gov/detail_PMPOA6F050.aspx)



**Global Rank:** G5  
**State Rank:** S4?

### **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

### **General Description**

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Stems 8–30 cm. Leaves: blades 1–2 mm wide. Inflorescence a narrow panicle 2–8 cm long. Spikelets 6–10 mm long. Lemmas awn-tipped or with an awn 1–7 mm long (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### **Habitat**

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Open dry disturbed sites usually with some history of overgrazing (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Dotted Watermeal - *Wolffia borealis*

[http://FieldGuide.mt.gov/detail\\_PMLEM03060.aspx](http://FieldGuide.mt.gov/detail_PMLEM03060.aspx)



**Status Under Review**

**Global Rank:** G5

**State Rank:** SU

### **AGENCY STATUS**

**USFWS:**

**USFS:**

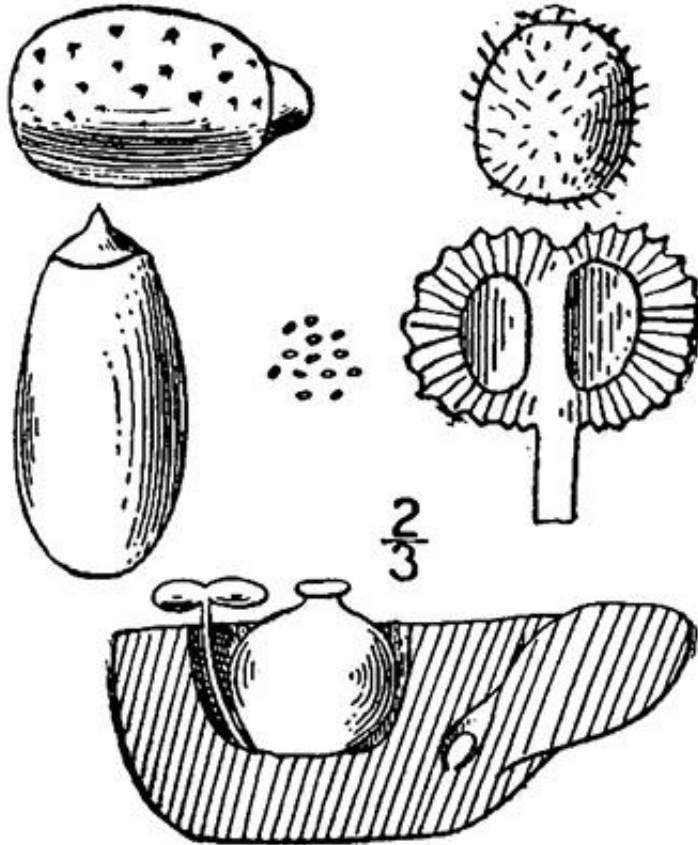
**BLM:**

**Number of Observations:** 0

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## Spotted Water-meal - *Wolffia brasiliensis*

[http://FieldGuide.mt.gov/detail\\_PMLEM03020.aspx](http://FieldGuide.mt.gov/detail_PMLEM03020.aspx)



**Status Under Review**

**Global Rank:** G5

**State Rank:** S3

**AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

### **General Description**

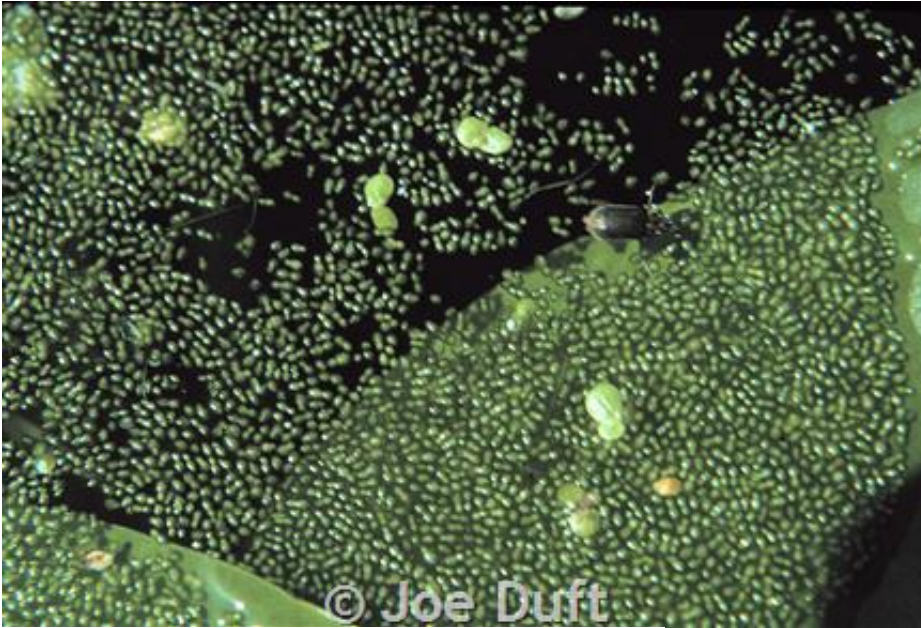
Fronds elongate-globular, 0.5–1 mm long, green with minute brown spots (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### **Habitat**

Fresh water of ponds and sloughs in the valley zone.

# Columbia Water-meal - *Wolffia columbiana*

[http://FieldGuide.mt.gov/detail\\_PMLEM03030.aspx](http://FieldGuide.mt.gov/detail_PMLEM03030.aspx)



## Species of Concern

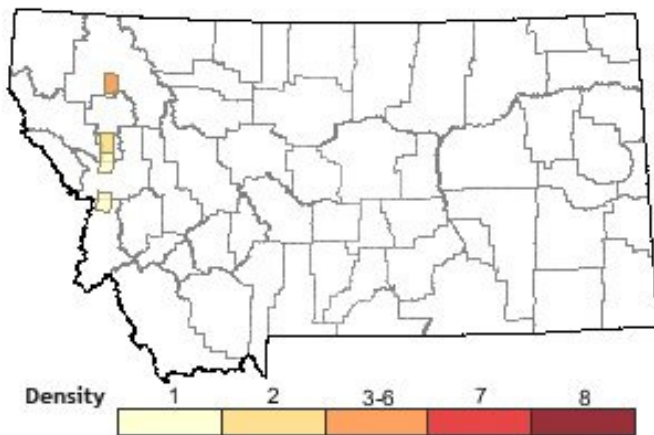
**Global Rank:** G5  
**State Rank:** S2S3

## AGENCY STATUS

**USFWS:**

**USFS:**

**BLM:**



**Number of Observations:** 10

## General Description

Columbia Water-meal, a minute floating aquatic perennial, is among the world's smallest flowering plants. The plant body is rootless and thalloid, with no distinction between stem and leaf. The symmetrical, globular, uniformly green thalli are less than 1.5 mm long, smooth and rounded on the back, and floating just below the surface of the water. The plants rarely flower and for the most part reproduce vegetatively by budding. They often grow in large colonies.

## Habitat

Fresh, shallow water of ponds and sloughs in the valley zone.

# Macoun Wildrye - *x Elyhordeum macounii*

[http://FieldGuide.mt.gov/detail\\_PMPOA88040.aspx](http://FieldGuide.mt.gov/detail_PMPOA88040.aspx)



**Global Rank:** GNA  
**State Rank:** SNA

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

## General Description

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Stems 20–60 cm. Leaves: blades 2–5 mm wide, flat to inrolled. Inflorescence 5–10 cm long, the erect rachis disarticulating at maturity. Spikelets 2 per node (sometimes evident by just 3 glumes at a node), 12–15 mm long; glumes narrow, 1- to 3-veined, tapering to a short to long awn. Lemmas 1 or 2 per spikelet, hairless, tapering to an awn 4–10 mm long (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## Habitat

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Open dry moderately disturbed sites at lower elevations (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Beargrass - *Xerophyllum tenax*

[http://FieldGuide.mt.gov/detail\\_PMLIL26020.aspx](http://FieldGuide.mt.gov/detail_PMLIL26020.aspx)



**Global Rank:** G5  
**State Rank:** S5

### **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

### **General Description**

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Glabrate, rhizomatous perennial. Stems leafy, erect, 50–120 cm. Leaves: basal, linear, wiry, scabrous on the margins, 15–60 cm × 2–4 mm, forming large tussocks; cauline leaves alternate, similar. Inflorescence a terminal raceme, expanding from hemispheric to linear-oblong and up to 40 cm long; pedicels ascending, 2–4 cm long. Flowers regular, star-shaped; tepals white, separate, narrowly oblong, 5–10 mm, spreading; stamens longer than tepals; styles 3. Fruit a globose, 3-lobed, several-seeded capsule, 5–8 mm long (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### **Habitat**

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Coniferous forest, often where fire has reduced tree cover, avalanche slopes, meadows; montane, subalpine (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Small Soapweed Yucca - *Yucca glauca*

[http://FieldGuide.mt.gov/detail\\_PMAGA0B0F0.aspx](http://FieldGuide.mt.gov/detail_PMAGA0B0F0.aspx)



**Global Rank:** G5  
**State Rank:** S4S5

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

### General Description

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Semi-woody, acaulescent perennials, sometimes with multiple rosettes. Leaves simple, linear-lanceolate, spine-tipped, concave in cross section, 15–50 cm × 3–6 mm, glaucous; margins white with curled, spreading fibers. Scape 20–40 cm. Inflorescence a raceme, 40–100 cm long with leaf-like bracts. Flowers perfect, regular, pendent, broadly overlapping; tepals 6, separate, elliptic, greenish white, 30–45 mm long; stamens 6, included; ovary superior; stigma 3-lobed. Fruit a 6-celled obovoid capsule, 3–6 cm long; seeds numerous, black, flattened (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### Habitat

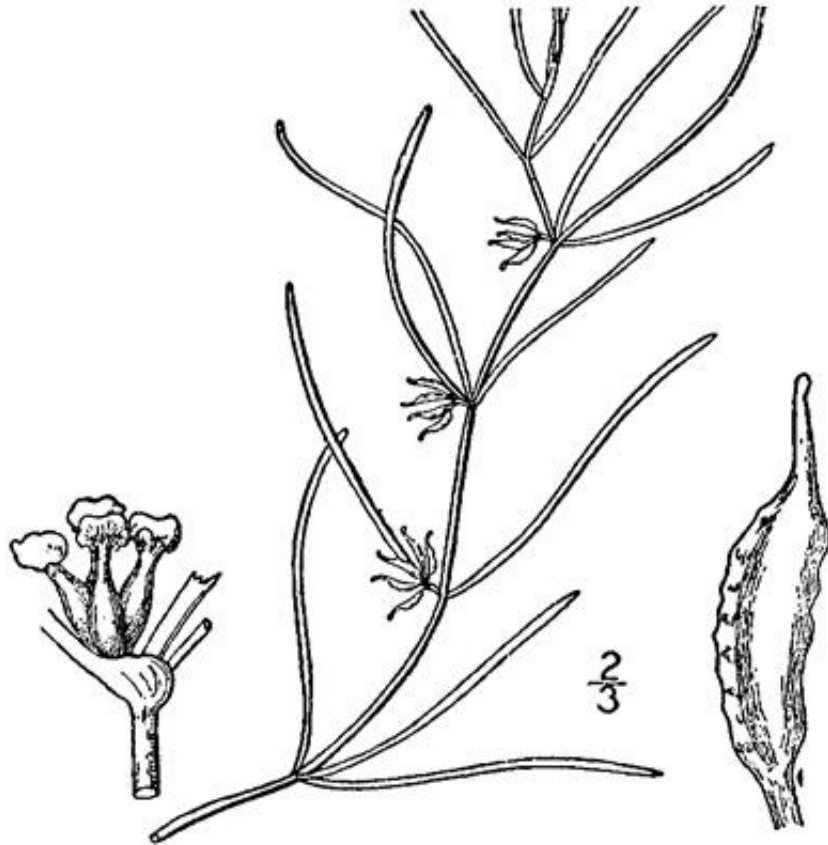
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Stony or sandy soil of grasslands, badlands; plains, valleys (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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# Horned Pondweed - *Zannichellia palustris*

[http://FieldGuide.mt.gov/detail\\_PMZAN03010.aspx](http://FieldGuide.mt.gov/detail_PMZAN03010.aspx)



**Global Rank:** G5  
**State Rank:** S4

## **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

## **General Description**

Monoecious, rhizomatous, submersed, aquatic perennials. Stems filiform, branched 15–50 cm. Leaves mostly opposite, filiform, 2–10 cm long; stipules membranous, deciduous, 1–4 mm long. Inflorescence axillary cymes. Flowers unisexual, without a perianth; male flowers 1 stamen; female flowers of 4 or 5 pistils, distinct; ovaries superior. Fruits a curved-oblong, compressed, pedicellate achene 2–3 mm long with a curved beak 1–2 mm long (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## **Habitat**

Shallow, fresh to alkaline water of ponds, lakes, ditches; plains, valleys, montane (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

# Mountain Deathcamas - *Zigadenus elegans*

[http://FieldGuide.mt.gov/detail\\_PMLIL28030.aspx](http://FieldGuide.mt.gov/detail_PMLIL28030.aspx)



**Global Rank:** G5  
**State Rank:** S4

## **AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

## **General Description**

Stems 10–60 cm. Leaves glaucous, 8–30 cm × 2–10 mm. Inflorescence a raceme or branched panicle; flowers well-separated below; pedicels 5–40 mm long. Flowers: tepals 6–11 mm long, the inner longer with a claw 0.5–1 mm long; stamens as long as the tepals. Capsule 12–20 mm long (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## **Habitat**

Moist meadows, open forest, often along streams, stony, calcareous soil of exposed slopes, ridges; montane to lower alpine (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

# Foothill Deathcamas - *Zigadenus paniculatus*

[http://FieldGuide.mt.gov/detail\\_PMLIL280B0.aspx](http://FieldGuide.mt.gov/detail_PMLIL280B0.aspx)



**Status Under Review**

**Global Rank:** G5  
**State Rank:** SU

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

## General Description

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Stems 25–50 cm. Leaves 5–25 cm × 2–6 mm. Inflorescence a crowded panicle; pedicels 5–15 mm long; some flowers on lowest branches functionally male. Flowers: tepals 4–6 mm long; the inner longer; stamens longer than the tepals. Capsule 10–18 mm long (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## Habitat

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Grasslands; valleys to subalpine (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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## Meadow Deathcamas - *Zigadenus venenosus*

[http://FieldGuide.mt.gov/detail\\_PMLIL280D0.aspx](http://FieldGuide.mt.gov/detail_PMLIL280D0.aspx)



**Global Rank:** G5  
**State Rank:** S4S5

**AGENCY STATUS**  
**USFWS:**  
**USFS:**  
**BLM:**

**Number of Observations:** 0

### General Description

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Stems 15–40 cm. Leaves 10–25 cm × 2–4 mm. Inflorescence a crowded, puberulent raceme; pedicels 5–15 mm long. Flowers: tepals 3–5.5 mm long; the inner longer; stamens longer than the tepals. Capsule 8–13 mm long (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

### Habitat

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Grassland, sagebrush steppe, dry meadows, rock outcrops; plains, valleys to lower subalpine (Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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# Eastern Wild Rice - *Zizania aquatica*

[http://FieldGuide.mt.gov/detail\\_PMPOA6J010.aspx](http://FieldGuide.mt.gov/detail_PMPOA6J010.aspx)



**Exotic Species (not native to Montana)**

**Global Rank:** G5

**State Rank:** SNA

**AGENCY STATUS**

**USFWS:**

**USFS:**

**BLM:**

**Number of Observations:** 0

## General Description

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Cool season, annual reeds. Stems scattered or in dense stands, rooting in mud, 1–3 m; sheath essentially hairless with overlapping margins; collar hairy; ligule membranous, 10–15 mm long. Leaves: blades 1–4 cm broad, flat and ascending. Inflorescences of large open panicles, 4–6 dm in length, the lower branches bearing pendulous staminate spikelets, the upper bearing appressed-ascending pistillate spikelets. Spikelets with one floret; staminate 6–8 mm long, pistillate 10–15 mm long (to 20 mm long in fruit), nearly round in cross-section, glumes of both spikelet types minute and consisting of a small cup just below point of disarticulation. Lemmas of pistillate spikelet hispid toward tip and tapered to an awn 6–40 mm long. Lemmas of staminate spikelets thin-textured and ephemeral. Disarticulation above glumes; unit of disarticulation the floret and fruit (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

## Habitat

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Marshes, lakes, and stream in fresh flowing water at lower elevations; often planted for waterfowl use (Lavin in Lesica 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX).

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